# How to Survive Natural Disasters

A Handbook Created by Moms of Children with Food Allergies



**LFA**Living with Food Allergy

I am afraid that people with food allergies may not be able to get food they can eat in case of natural disasters....



#### Wait.

#### Are you prepared yourself?

You cannot expect somebody will have allergy-safe food prepared for you.

Through our surveys, many concerns were heard. such as:

#### "I have worries but I am not sure what to prepare."

#### You have worries but you don't have an allergy-safe stockpile??

Whenever we hear news of natural disasters. we have a heartache thinking of our fellows in need.

"There probably are people who cannot eat

bread, yogurt, or cooked meals distributed at evacuation shelters..."

Nothing changes just by being worried.

You never know when a natural disaster will happen.

#### Then, by learning from those who have experienced natural disasters, you will be able to take your own measures.

However, taking your own measures will not be enough. We have thus decided to offer places where people can seek "Help".

There are something we can do, such as helping to look for aid or introducing support organizations.

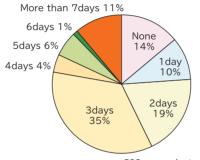
We hope that this handbook will connect allergy groups and communities throughout Japan, as well as local communities, companies, and administrations, and ultimately raise food allergy awareness among our whole society.

This handbook was created by 16 moms of LFA who have children with food allergies (2 to 20 years of age) based on their own ideas and advice from leaders of other allergy groups.

We hope you can learn what to prepare because of who you are from this handbook.

May 2019

#### How many days' worth of allergy-safe food and supplies do you have prepared?



Questionnaire for food allergy 2019

## Things You Should Know First

#### In Order To Survive A Disaster:

Between-Self-Help: Neighbors Help

: Public Help

Self-help

You help yourself

Between-Neighbors help

Neighbors help each other.

Public-help

Support or aid from central or local governments.

To protect yourself, being prepared is important.

Self-help is especially important for people with food allergies.

# Self-



#### Let's check now!

□ Water for 7 days

☐ Food for 7 days

☐ Medications for 7 days

☐ Cookware (portable gas stove and gas canister)

☐ Power supply (battery, power source, cell batteries)

☐ Go-bag for children

Between-Neighbors Help means neighbors helping each other. It is especially important for people with food allergies to bond with their local communities.

# Between-

□Let neighbors know that your child has food allergies.

□Join local evacuation drill.

□Contact local disaster relief volunteer groups.

□Join neighborhood association activities such as festivals

□Become a member of local food allergy community. Note: It is important to be regularly involved in community activities, rather than rushing in to seek help only in an emergency!!

Your action is the first step to make your local community comfortable to live in. If you are hoping for a change, speak up!

Look for support centers before a natural disaster occurs.



□Check to see if the local government has emergency food stocks for people with food allergies.

□Check if there is a local place you can seek advice in case of an emergency.

□ Have contact information of local municipal offices, social welfare offices, and hospitals.

How many boxes were you able to check? Let's take the necessary steps in reference to the following pages.

## What You Should Do on a **Daily Basis.**

Build "children's own ability to protect themselves" and "grown-up's ability to protect children".

#### Children's 3 abilities to protect themselves



•Your child should recognize he/she cannot eat specific foods.

•Make your child promise not to eat any foods until hearing OK from you or other guardians.





#### **Explaining their** allergy to other people

Your child should be able to tell other people about their allergy in a correct manner using phrases like below: 「わたし/ぼくは、〇〇のアレルギーだから、 たべられません」



#### Understand what medicines to take

Let your child learn the name of medicines and what they are for (oral meds, inhaler, ointment, epi-pen, etc.).

#### Grown-up's 3 abilities to protect children

Learn "what emergency food and their ingredients are stocked at local government" and "how local government handles emergency situations." (where to contact to seek help such as a natural disaster-handling section or a social-welfare-related department in your local

Make sure how much your child can eat without having allergic reactions.

Knowing allergen thresholds, such as "cross-contamination\* cause symptoms", "No problem with soy sauce?", "Shared cookware such as chopsticks or ladle are not OK?", will help you appropriately decide whether to eat or not hot meals served at shelters.

- → Your child may be able to have more chances to eat hot meals served at shelters.
- → Your child can reduce the chance of eating allergen by mistake, and lower the risk of having anaphylactic shock.
- Consider the scenario where you are not with your child. Help other adults be aware of your child's food allergies, including what store-bought foods your child can eat.





government)

An allergen is inadvertently transferred from a food containing an allergen to a food that does not contain the allergen.



## Stock food you can eat without worry in case of natural disasters.

Utilities such as water, electricity, and gas may be cut off when a natural disaster occurs, so stock food that doesn't require cooking or heating, and is ready to eat. You will be able to cook everyday food if you have a portable butane gas stove and gas canisters.



Condiments.

#### ◆ Examples of Food Stock ◆

Rice flour,

Prepare a combination of staple food (carbohydrates),

* Examples	01 1 00 d 0 t 0 t 1		
	Staple Food	Main Dish	Side Dishes, Condiment and Snacks
Ready-to-serve food (no cooking necessary)	Ready-to-serve rice, Ready-to-serve porridge pouch, Ready-to-serve risotto, Preserved alpha rice (require water), Hardtack (emergency survival biscuits), Canned bread, Cereals	Ready-to-serve pouches (such as curry and hamburger steak), Canned meat, fish, or beans (such as canned chicken breast and canned tuna), Fish sausages, Tofu, Soy milk	Ready-to-serve pouch soup, Canned fruits or vegetables, Fruit or vegetable juice, Dried fruits, Nori seaweed, Salted plums, Pickles, Miso, Salt, Soy sauce, Sugar, Jelly drinks, Snacks (such as candy), Yokan (sweat bean jelly), and Ramune candy
Food you can cook with fire or	Pre-washed rice, Instant rice, Dried noodles,		Dried wakame seaweed, Dried hijiki seaweed, Instant miso soup,

#### For Babies

with hot water

Powdered infant formula. Bottled water for infant formula, Baby bottles, Paper cups, Measuring cups, Kettle, Ready-to-serve baby food pouches according to your baby's age



(such as onions, potatoes,

and dried vegetables),

Freeze-dried food

Instant soup,

Vegetables



main dishes (protein), and your usual side dishes.

Eating balanced meals will prevent constipation that often develops in times of natural disasters. Eating favorite food will help your child relax and feel comfortable.

## Have you heard of Rolling Stock Method?



Do you have canned tuna, canned or dried fruits at home? These nonperishable foods can be used as emergency food supplies.

Long term survival foods are not only for emergencies. Keep a stockpile of allergy-safe food and replenish the supply each time you go through them.

This is the concept of Rolling Stock Method.

When you find allergy-safe food on sale, buy extra and add it to your stockpile. It is important that you never run out of stock.

Because we may not be able to eat certain foods. it is important that we always keep our stockpile full of allergy-safe foods.

#### Tips on Food at times of a natural disaster

Are you getting tired of eating preserved Alpha Rice? Just add canned mackerel into the alpha rice and mix. You can enjoy the change in taste and it will also be good source of protein.

Cooking in a Plastic Bag A method of using a plastic bag to cook food. Put ingredients into a plastic bag, mix the ingredients, and put the bag in boiling water to cook.

#### Cooking without using heat Tuna and Hijiki Seaweed Side Dish

Ingredients: Hijiki seaweed (dry-pack). canned tuna.

canned corn.



Put all ingredients into a plastic bag and mix.



If you want to boil food inside a plastic bag, be sure to use HDPE (high-density polyethylene) plastic bags that can withstand high temperatures. If not, the plastic might melt while cooking!

#### Recommended!



食品保存用ポリ袋 HDPE food storage bags Sanipak Company

#### School Lunch Experience during Natural Disaster



When a level 5 or 6 earthquake occurred, there were areas where electricity and gas were cut off, and the damaged school kitchen was closed for repair. During that time, emergency menus were provided in schools. Take a look at the actual menu provided on the right!

Only because you cannot eat bread, you will not be getting 2 onigiris (rice balls) because the school barely has enough onigiris for

Basically, if there is something you cannot eat on the menu, you need to bring a replacement dish from home. This is why we need to always keep extra allergy-safe foods in stock.

#### "Kan-i Kvu-shoku"

Thursday, June 21	Friday, June 22
Bread	Bread
Rice ball	Rice ball
Milk	Milk
Strawberry jam	Orange jello
Monday, June 25	Tuesday, June 26
Bread	Sealed pouch curry
Rice ball	Milk
Milk	Warabi Mochi
Sweet potato	Jello

Sample menu actually served

## Prepare your special "Go-Bag"!



Have a Go-Bag in place so that you can just grab and go out in case of an emergency. Just pack the items within the orange line in addition to general items to be included in a Go-Bag! Refer to the sample on the next page to make Go-Bags of all family members!

#### Must-have items

- ☐ This handbook
- ☐ Food Allergy ID card (please use page 15)

(to carry allergy emergency contact card)

□ Underwear and socks

- ☐ Foods you can eat without cooking for 3 days
- □ Water (2 bottles of 500 mL)
- e.g., anti-histamine, oral steroid, epi-pen
- ☐ A copy of Okusuri-techo (a prescription



#### □ Medications for 7 days

e.g., anti-histamine, moisturizer, steroid ointment, protopic ointment

- ☐ Wet wipes confirmed safe for your child's skin
- ☐ Bottled Water

For skincare. Reuse the plastic bottle by refilling it with water.

- ☐ A shower nozzle cap for plastic bottle
- □ Underwears and clothes you usually wear
- □ Bathing items

e.g., soap and towel

#### □ Nail clipper

to prevent from breaking skin by scratching

- ☐ Medication for food allergies for 7 days
- history record you receive at a pharmacy)



#### ☐ Medications for 7 days

e.g., inhaler, spacer, dry powder inhaler, transdermal patch

□ Disposable surgical masks to protect from dust at evacuation shelter

#### □ Towel

Put on a pillow or blanket that your face touches at bedtime to prevent inhalation of dust.

#### ☐ Action plan

Self-management plan on how to deal with your conditions. Refer to the website below for an action plan sheet (Japanese only).

**Environmental Restoration** and Conservation Agency http://bit.ly/2TV2Yqx





☐ Cold pack and paper fan for summer season

□ Tubular bandage for winter season for skin protection

- ☐ Bed or futon matress and towels for replacement
- ☐ Anti-tick/mite products



大衛株式会社 ママとベビーの水だけ ぬれコットン 100 包入



和光堂 赤ちゃんのための 水だけコットン

#### General items to be included in Go-Bag

☐ Flashlight or headlight

☐ Portable radio

□ Extra cell batteries

☐ Raincoat ☐ Hard hat

☐ Whistle

☐ Cotton work gloves

☐ Portable cell phone charger ☐ Plastic wrap

□ Wet wipes ☐ Water container

☐ Tissue paper

☐ Portable toilet

☐ Toothbrush

☐ Disposable surgical mask

☐ Notebook and oil-based marker

☐ Aluminum blanket

☐ Plastic bags (large and small sizes)

☐ Cash (include small changes)

☐ Disposable dish, cup, chopsticks, etc.

☐ Multitool (all-purpose knife)

☐ Disposable body warmer (Kairo in Japanese)

#### ☐ First-aid kit

## Sample Emergency Go-Bags





Always pack an Allergy ID Card and medications in your child's bag





Pack diapers and clothes in compression space saver bags.

Tips for packing a Go-Bag



①Use a backpack - you will have both hands free. ① One Go-Bag per person. Each Go-Bag should be packed according to the person's age and health condition. • Pack emergency foods that you like. • Pack your child's Go-Bag with your child to make sure that he/she can carry it by him/herself. | Remember! Check your bag twice a year(March and September).

## **Side Story** Atopic Dermatitis

#### What will be your biggest worries?

Can't take a shower.

Skin condition worsens. and more steroids and moisturizers are necessaru than usual, so steroids and moisturizers mau come in short supply.



Can't wash clothes, so you end up wearing the same clothes for several days.

> Dust mites, dust, and stress from evacuation area lead to skin problems.

Water for washing may not be easy to get and it is difficult to wait in line for water if you have a child.

When your skin condition gets worse, it may worsen food allergy symptoms.

#### Are you prepared?

☐ Pack an Emergency Go-Bag (see "Atopic Dermatitis" page 8)

Advice from people with firsthand experience of natural disasters

- ★Apply more moisturizers to prevent dry skin.
- ★When your skin condition seems to be getting worse, use steroids that are stronger than usual ones. Also consider taking anti-itch medications.
- ★In summer, folding fans and instant cold packs will be very useful. Instant cold packs instantly refresh you when squeezed or shaken. (Instant cold packs do not require a freezer.)

Can't take a shower! What should I do?

#### Did you know?

The chlorine concentration level of water in water tankers may be

You can lower chlorine level by leaving water in a bucket overnight.

#### Put a shower nozzle cap on a plastic water bottle and use it like a shower!

It is important to wash away sweat and dust. You will need a container to get water from a water tanker or other supply sources. Many people often forget to include a water container in their Go-Bag. Many people said, "I had to stay in line for hours with my child for water because I only had a small water bottle."

If you have atopic dermatitis, always consider ways to get water. Prepare yourself with a foldable water container bottle or tank.

## Side Story Asthma

#### What will be your biggest worries?

Negative changes in living conditions. Mental stress.

Smoke from tobacco. mosquito-repelling incense and bonfires. Also deodorants and insecticide sprays. Animals.

Lost or broken items due to an earthquake (medicines, inhalers, nebulizers, and peak flow meters, etc.) Clouds of dust. dusts from debris. house dust mites and house dust.

> It may be difficult to find power sources for the

Unable to take daily preventive care.

#### Are you prepared?

☐ Pack an Emergency Go-Bag (see "Asthma" page 8)

Advice from people with firsthand experiences with natural disasters

#### There is dust everywhere!

Wearing a mask is a must! Pack extra masks, not just in your Emergency Go-Bag, but also in your everyday bag!

Wearing several layers of masks is more effective! Use a towel if you don't have a mask.



Use a spacer or make a hole in the bottom of a paper cup to use it as a spacer.



#### **Inhalers**

エアゾール吸入器

Ask if you can be given priority to use emergency electricity in the facility. If you use nebulizers, be sure to have extra

batteries and a charger. If you have a car, a car power inverter can be very useful! If possible, practice using the pMDI (pressurized metered dose inhaler) which does not require a

power outlet.

It is difficult for small children to spray and breathe with the right timing. A paper cup can be a handy tool! Make a hole in the bottom of a paper cup, and place the inhaler through the hole to use as a spacer.

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# Food Allergy ID Card

## 



Always keep a Medical ID Card in your child's bag, school bag, and  ${\sf Emergency}$  Go-Bag.

2 types of printable IDs are available for free download at LFA's website (Ifajp.com). You can make enlarged copies of the card shown at the bottom of this page and the card shown on the right-hand page. Not only will this ID card serve as a sign to let people know that the child has food allergy, you can also write information required for immediate and accurate treatment in an emergency.

What we can do is to seek ways to help everyone get a better understanding of food allergies.

#### Food Allergy ID Card (Large)

**Emergency Cont** 

Visit Ifajp.com, download "Food Allergy ID Card (Large)" and print it on A4 paper. You can also make enlarged copies (approx. 200% to make A4 size) of the right-hand page and fill it in. Cut along the solid line in the middle of the paper, and fold along the dotted lines (Pic①). Fold and assemble (Pic②).



#### Food Allergy ID Card (Small)



Visit Ifajp.com, download "Food Allergy ID Card (Small)" and print it on A4 paper. You can also make enlarged copies (approx. 200%) of the card below. Fill it in, cut along the solid line, fold in half along line 0, and then fold along line 2.

IsnoitibbA ofnI		Phone	
Medications		Address	
Allergies	96A	Date of Birth	
Family Doctor	J·M X92	Явте	
			- 1



ncy Contact:						
					U(	
(Relationship	)					
		`				
		ア	レル	ギーがな	あり	ます

		Phone	
	•	Name Relationship	Family Meeting Place
		Phone	Phone
	•	Name Relationship	Evacuation Shelter 2
アレルギーがあり	•Contact a family member	Phone	Phone
	In an emergency, please do the following:	Name Relationship	Evacuation Shelter 1
	I have allergies.	Phone	Phone
		Name Relationship	Nearest Evacuation Shelter
	000	[Family Contact Info:]	[If separated from your family member:]
al Information:]	[Type of Allergy:] food allergy,	[Do you carry an Epipen?] Yes No	[Family Doctor:]
	asthma, atopic dermatitis	Storage Place of Epipen:	Hospital
irth Age		Previous experience of anaphy-	Address
	[Causes:] eggs, dairy, wheat,	lactic reaction:] Yes No	Phone
	shrimp/prawn, crabmeat, buckwheat, peanuts Others	[Medication:]	LINE Official Account
:y Contact:	[Symptoms:]		email address: Ifa.saigai@gmail.com
	hives, vomiting, diarrhea, asthma, trouble breathing Others		Japanese Society of Pediatric Allergy and Clinical Immunology Emal: sup_jasp@jspaci.jp
			(age), (gender) in your email.

Birth

## **Learn about your Region**

## Do you know about "KYO-TEN"? It means "Base".

#### Disaster Base Hospital

Hospital designated to provide urgent medical care to critically injured patients during a disaster.

#### Allergy Disease Medical Base Hospital

Each prefecture has a designated hospital(s) where people with allergy diseases can receive appropriate medical care equally regardless of their living areas.

## Base to receive allergy-safe relief supplies during a disaster.

The base may be set up at an Allergy Medical Base Hospital, regional hospitals, social welfare offices, children's centers, etc.

## DO you know the difference between "HINAN-BASHO" and "HINAN-JYO"?

Hinan-jyo(ひなんじょ) means "Evacuation Area".

An area or a building to evacuate from imminent danger of a disaster.

#### Hinan-basho(ひなんばしょ) means "Evacuation Shelter".

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A place which provides a secure living environment for evacuees and allow them to live temporarily.

## You must go to an Evacuation Area when a disaster occurs.

Local governments may have different names for evacuation area and shelters. They may set up a place which functions as both. Learn beforehand the names and locations of these evacuation areas and shelters in your region.

#### How to use 171 "How to Use" available in English on website How to use NTT Disaster Emergency Message Dial Dial your home phone number and https://www. To record a message: record a message. ntt-west.co.jp/ Enter phone number Dial | 171 | Press | 1 | dengon/english/way/ starting with the area code Dial phone number of the person To playback a message: in the disaster-stricken area and listen to the recorded message. https://www.ntt-east. Dial 171 hress 2 Enter phone number co.jp/en/saigai/ starting with the area code voice171/index.html

## **Emergency Contacts**

Name	Gender M · F	Date of Birth
Address		Phone
Emergency Contact		Do you carry an Epipen? Yes · No

Allergic to:

wheat, eggs, dairy, shrimp/prawn, crabmeat, buckwheat, peanuts

Other info: about allergies, school, etc.

#### List of friends and relatives who have good understanding of allergies:

Name	Address/Phone
Name	Address/Phone

#### Family Doctor

Hospital	Address/Phone
Hospital	Address/Phone

Nearest Disaster Base Hospital

Search "allergy kyoten hospital"

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Nearest Allergy Medical Base Hospital

Phone of Municipal Office

Check which section of the city hall/ward office public health nurses belongs to. Public health nurses will be visiting evacuation shelters during natual disasters. Also check the location of your local social welfare office.

Nearest Evacuation Shelter

## Point to show what you can't eat



## わたしは、 I can't eat because of

しょくじせいげん dietary restrictions

しょくもつあれるぎー food allergies

しゅうきょう

religious

たべられません。

reasons.



I have an EpiPen / epinephrine. えぴぺん を もっています。

#### 8 specified ingredients



たまご egg



にゅう milk



こむぎ wheat



くるみ walnut



えび shrimp



かに crab



ぴーなっつ peanut



buckwheat

#### 20 items equivalent to specified ingredients



あーもんど almond



あわび abalone



いか squid



いくら salmon roe



おれんじ orange



cashew nut



かしゅーなっつ きういふるーつ kiwi fruit



ぎゅうにく heef



ごま sesame



さけ salmon



さば mackerel



だいず soybean



とりにく chicken



ばなな banana



ぶたにく pork



まかだみあなっつ macadamia nut



もも peach



やまいも wild yam

other



りんご apple



ぜらちん gelatin

#### more foods



かい shellfish



さかな fish



なっつ るい tree nut



どうぶつ animal



ぜんそく asthma



あとぴー eczema

## **Useful Apps during Disasters**

#### Google Translate

https://translate.google.co.jp/



App Store





Android Google Play

- Text translation: Translate between 108 languages by typing
- •Offline: Translate with no internet connection (59 languages)
- Instant camera translation: Translate text in images instantly by just pointing your camera (90 languages)
- Photos: Take or import photos for higher quality translations (50 languages)
- · Conversations: Translate bilingual conversations on the fly (43 languages)
- Handwriting: Draw text characters instead of typing (95
- Phrasebook: Star and save translated words and phrases for future reference (all languages)

#### **NHK WORLD-JAPAN**

https://www3.nhk.or.ip/nhkworld/



iPhone App Store



Android Google Play



NHK WORLD-JAPAN provides the latest information on Japan and Asia through television, radio and online to a global audience.

It is the international service of Japan's public broadcaster NHK.

#### Safety tips

https://www.rcsc.co.ip/safety



iPhone App Store



Android Google Play



This Application notifies a user with EEW, Tsunami Warnings, Volcanic Warnings, Weather Warnings, Heat illness Warnings and Civil Protection Information issued in Japan. It is a free application developed under the supervision of Japan Tourism Agency.

The Application provides various functions useful for foreign tourists in Japan. The application is available in 15 languages: English, simplified and traditional Chinese, Korean, Spanish, Portuguese, Tagalog, Indonesian, Vietnamese, Nepali, Thai, Khmer, Burmese, Mongolian, and Japanese.

#### Summary of "00000JAPAN"

1) This is the service some leading telecommunication companies provide their internet circuit for free of charge.

2) Your mobile telecommunication devices can be connected to the mobile phone carrier au, softbank, docomo, etc. for free of charge by using FREE Wi-Fi

named "00000JAPAN".

passcode is required.

3) Because of its name, "00000JAPAN" is indicated at the top of the Wi-Fi list on your mobile devices. 4) Just tap "00000JAPAN" for internet connection. No

## **Medical Vocabulary** and Phrases



I feel dizzy. めまい が します。

My nose is stuffed up. はな が つまって います。



I have a cough. せきがでます。

I have rashes. んましん が でています。



I'm not feeling well. きぶん が よくありません。



I have a running nose. はなみず が でます。





I have itchy eyes. め が かゆい です。

I have diarrhea. げり を しています。





I accidentally ate a food I'm allergic to. ごしょく しました。

> My allergies are acting up. あれるぎーしょうじょう が でてきました。





#### Hokusetsu(North Osaka)Family Disaster Prevention Notebook

#### Reference:



What should you do when an earthquake strikes? This "Notebook" will help you get fully prepared. English copy available for free download.

http://oyakobousai.com/wp-content/uploads/2019/10/ 902d66bdd09284b3bbcfa398dfab8844.pdf

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# Clist of Contacts for Consultation



#### LFA Japan

#### **LINE Official Account**

@ray8171u



Consultation Center during natural disasters. Add the account to your friend list before a natural disaster actually occurs!

LFA JAPAN is connected with many patients associations Japan-wide.

Please contact us when you become in need of help during a natural disaster. We will cooperate with a patient association near you and inform you of the location of the reception base for relief supplies.

\*Consultation available only during natural disasters.

<Email address> lfa.saigai@gmail.com

<URL> | fajp.com You can download Food Allergy ID Card for children, and read stories about natural disaster survivors experiences.



#### LFA Living with Food Allergy

LFA is an association based in the Kansai region for people with food allergies and their families supporting each other. We provide consultation services, share allergy-related information, give lectures, hold children's meetings and online meetings.

<URL> lfa2014.com

#### Reference:

#### <url> http://www.jspaci.jp

#### Japan Society of Pediatric Allergy and Clinical Immunology

You can download pamphlets and posters about managing children's food allergies during natural disasters. You can also download a handbook for disaster relief medical staff on managing children's food allergies.



You can consult a doctor specialized in allergies about child's allergy-related conditions (such as asthma, nasal allergies, atopic dermatitis, food allergies) by email. Consultation services are available only during natural disasters. Please email your name, address, phone number, (age), (gender) to receive consultations.

Consultation Center during Natural Disasters

\*Consultation available only during natural disasters.

<Email address>
sup\_jasp@jspaci.jp

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