

## U.S.C.G. Merchant Marine Exam

### Lifeboatman

### Q445 Lifeboatman

### (Sample Examination)

**Choose the best answer to the following Multiple Choice Questions.**

**1.** Inflatable liferafts are provided with a \_\_\_\_\_.

- (A) towing connection
- (B) lifeline
- (C) knife
- (D) All of the above

*If choice D is selected set score to 1.*

**2.** The carburetor is placed on the engine to \_\_\_\_\_.

- (A) properly lubricate the engine
- (B) mix the fuel and air
- (C) distribute the gasoline
- (D) assist in priming the cylinders

*If choice B is selected set score to 1.*

**3.** What is the function of the lifeboat davit limit switches?

- (A) To cut off power to the winch when the lifeboat nears the final stowed position
- (B) To cut off power to the winch when the lifeboat reaches the davit bumpers
- (C) To control the descent rate of a lifeboat
- (D) To control the ascent rate of a lifeboat

*If choice A is selected set score to 1.*

**4.** Which represents the appropriate time for setting off distress flares and rockets?

- (A) At one hour intervals
- (B) Immediately upon abandoning the vessel
- (C) At half hour intervals
- (D) Only when there is a chance of their being seen by rescue vessels

*If choice D is selected set score to 1.*

**5.** In launching a lifeboat, when should the tricing pendants be released?

- (A) After the limit switch is activated
- (B) After all people have been embarked
- (C) As soon as the boat-fall blocks clear the davit head
- (D) Before the boat is lowered from the stowage position

*If choice B is selected set score to 1.*

**6.** In which location are lifejackets required to be stowed?

- (A) Locked watertight containers
- (B) Readily accessible spaces
- (C) In the pumproom
- (D) In the forepeaks

*If choice B is selected set score to 1.*

**7.** Under normal conditions, how is a liferaft released from its cradle?

- (A) By cutting the restraining strap
- (B) Lifting one end of the raft
- (C) Pushing the plunger on the center of the hydrostatic release
- (D) Unscrewing the turnbuckle on the back of the cradle

*If choice C is selected set score to 1.*

**8.** What is the purpose of the hydrostatic release on an inflatable liferaft?

- (A) To release the raft from the cradle automatically as the ship sinks
- (B) To inflate the raft automatically
- (C) To test the rafts hydrostatically
- (D) None of the above

*If choice A is selected set score to 1.*

**9.** As a vessel sinks to a depth of 15 feet, the hydrostatic trip releases the liferaft container from its cradle by \_\_\_\_\_.

- (A) releasing the tie-down strap
- (B) pulling the operating cord
- (C) releasing the CO2 canister
- (D) breaking the weak link

*If choice A is selected set score to 1.*

**10.** What is the maximum length of time that distress flares are approved for?

- (A) 1 and 1/2 years
- (B) 2 years
- (C) 3 and 1/2 years
- (D) 5 years

*If choice C is selected set score to 1.*

**11.** In heavy seas how should the helmsman steer the motor lifeboat?

- (A) Broadside to the seas
- (B) In a series of figure-eights
- (C) Into the seas slightly off the bow
- (D) In the same direction as the seas

*If choice C is selected set score to 1.*

**12.** Which statement is TRUE concerning life jackets?

- (A) Buoyant vests may be substituted for life jackets.
- (B) Lightly stained or faded life jackets will fail in the water and should not be used.
- (C) Life jackets must always be worn with the same side facing outwards to float properly.
- (D) Life jackets are designed to turn an unconscious person's face clear of the water.

*If choice D is selected set score to 1.*

**13.** What is the primary advantage of Using a sea anchor with the survival craft?

- (A) It increases your visibility
- (B) It reduces your drift rate
- (C) It keeps the survival craft from turning over
- (D) Aids in recovering the survival craft

*If choice B is selected set score to 1.*

**14.** You will find a limit switch on which type of davit?

- (A) Radial davit
- (B) Liferaft cradle
- (C) Gravity davit
- (D) Sheath-screw davit

*If choice C is selected set score to 1.*

**15.** What factor is essential to the proper operation of a radiator cooled engine?

- (A) Air flow through the radiator
- (B) Low heat of combustion
- (C) Jacket water treatment
- (D) Cooling water pressure

*If choice A is selected set score to 1.*

**16.** Limit switches are used on which davits?

- (A) Quadrantal davits
- (B) Gravity davits
- (C) Radial davits
- (D) Sheath-screw davits

*If choice B is selected set score to 1.*

**17.** In good weather, why should you deploy the sea anchor from the liferaft?

- (A) To navigate against the current
- (B) It will keep personnel from getting seasick
- (C) To stay in the general location to aid in rescue
- (D) To keep the liferaft from capsizing

*If choice C is selected set score to 1.*

**18.** Your vessel is conducting helicopter evacuation operations for an injured crew member. Which of the following statements is true concerning the hoisting line?

- (A) As a safety measure wrap the line around the patient before attaching it to the basket
- (B) A tag line is required to be attached to the hoist cable for securing
- (C) Secure the graining line to the deck railings
- (D) Allow the line to touch the deck to discharge the static electricity

*If choice D is selected set score to 1.*

**19.** Water pockets on the underside of an inflatable liferaft are for \_\_\_\_\_.

- (A) easy drainage
- (B) catching rain water
- (C) stability
- (D) maneuverability

*If choice C is selected set score to 1.*

**20.** What is the name given to the bottom row of plating next to the keel of a lifeboat?

- (A) Garboard strake
- (B) Sheer strake
- (C) Keel rib
- (D) Bilge strake

*If choice A is selected set score to 1.*

**21.** All inflatable liferafts have which item?

- (A) Safety straps from the overhead
- (B) Releasing hooks at each end
- (C) Water stabilizing pockets
- (D) Built in seats

*If choice C is selected set score to 1.*

**22.** If you are required to jump from any height from your vessel when should the external flotation bladder of an immersion suit be inflated?

- (A) Before entry into the water
- (B) After entry into the water
- (C) Only after two hours in the water
- (D) Only after four hours in the water

*If choice B is selected set score to 1.*

**23.** BOTH INTERNATIONAL & INLAND Which of the signals, other than a distress signal, can be used by a vessel to attract attention?

- (A) A red star shell
- (B) A burning barrel
- (C) An orange smoke signal
- (D) The vessel's searchlight

*If choice D is selected set score to 1.*

**24.** Which of the following describes the condition of Hypothermia?

- (A) When the rate of heat loss of the body exceeds the rate of heat production
- (B) When the rate of heat production in the body exceeds the rate of heat loss
- (C) Any instance when a person is emerged in water
- (D) When the core body temperature drops to 38 degrees Celsius

*If choice A is selected set score to 1.*

**25.** Which of the following describes the inspection and testing requirements of a SART?

- (A) Bi-annual inspections and semi-annual testing
- (B) Monthly inspections and bi-annual testing
- (C) Monthly inspections and monthly testing
- (D) Bi-annual inspections and monthly testing

*If choice C is selected set score to 1.*

**26.** When using a handheld smoke signal in a liferaft, at which location should you activate the signal?

- (A) On the downwind side of the liferaft
- (B) On the upwind side of the liferaft
- (C) Inside the liferaft
- (D) At the stern of the liferaft

*If choice A is selected set score to 1.*

**27.** When launching a lifeboat, when should frapping lines be rigged?

- (A) Only after the boat is in the water
- (B) When the boat is at the embarkation deck
- (C) Before the boat is moved from the davits
- (D) Before the gripes are released

*If choice B is selected set score to 1.*

**28.** Puncture leaks in the lower tubes or bottom of an inflatable liferaft should FIRST be stopped by using which item(s)?

- (A) Repair tape
- (B) Sealing clamps
- (C) Sail twine and vulcanizing kit
- (D) A tube patch

*If choice B is selected set score to 1.*

**29.** What is the name given to the lines that are passed around the falls to hold the boat and prevent it from swinging violently?

- (A) Life lines
- (B) Frapping lines
- (C) Tricing lines
- (D) Tripping lines

*If choice B is selected set score to 1.*

**30.** On a lifeboat equipped with Rottmer-type releasing gear, what does turning the releasing lever release?

- (A) the after boat fall only if the boat is waterborne
- (B) both falls at the same time only if the boat is waterborne
- (C) the painter
- (D) both falls at the same time even if the boat has not reached the water

*If choice D is selected set score to 1.*

**31.** BOTH INTERNATIONAL & INLAND Which are Distress signals?

- (A) Sound signals
- (B) Red flares
- (C) Smoke signals
- (D) Any of the above

*If choice D is selected set score to 1.*

**32.** Where would the number 2 lifeboat on a tanker be located?

- (A) Aft no.1 lifeboat starboard side
- (B) The forwardmost boat on the starboard side
- (C) The forwardmost boat on the port side
- (D) Aft no.1 lifeboat port side

*If choice C is selected set score to 1.*

**33.** You have abandoned ship in tropical waters. Which procedure(s) should be used during a prolonged period in a raft?

- (A) Keep the entrance curtains open.
- (B) Wet clothes during the day to decrease perspiration.
- (C) Get plenty of rest.
- (D) All of the above

*If choice D is selected set score to 1.*

**34.** Inflatable liferafts are provided with which item?

- (A) A towing connection
- (B) A sail
- (C) A Very pistol
- (D) Canned milk

*If choice A is selected set score to 1.*

**35.** You abandoned ship in the North Atlantic and one of the crew members is hypothermic. During a SAR helicopter extraction which lifting device should be avoided when hoisting this patient to the aircraft?

- (A) The rescue basket
- (B) The rescue sling
- (C) The rescue litter
- (D) The rescue net

*If choice B is selected set score to 1.*



**36.** Which is TRUE concerning drinking salt water?

- (A) Consuming saltwater will dehydrate you
- (B) It is safe to drink if mixed with fresh water
- (C) Saltwater prevents seasickness
- (D) Saltwater protects against heat cramps

*If choice A is selected set score to 1.*

**37.** When is it recommended that Seawater be used for drinking?

- (A) Under no conditions should seawater be drunk
- (B) If gathered during or immediately after a hard rain
- (C) After mixing with an equal quantity of fresh water
- (D) Only at a maximum rate of two ounces per day

*If choice A is selected set score to 1.*

**38.** If an inflatable liferaft is overturned, it may be righted by which action?

- (A) Pushing up from under one end
- (B) Filling the stabilizers on one side with water
- (C) Releasing the CO2 cylinder will automatically upright the craft
- (D) Standing on the inflating cylinder and pulling on the righting straps

*If choice D is selected set score to 1.*

**39.** When will the float-free emergency position indicating radio beacon be activated after abandoning ship?

- (A) Immediately after floating free
- (B) After about one hour when the salt water activates the battery
- (C) Only when keyed by the radar of another vessel
- (D) Only when daylight activates the photovoltaic cell

*If choice A is selected set score to 1.*

**40.** An emergency sea anchor may be constructed by using which item(s)?

- (A) An air tank filled with water
- (B) A boat bucket
- (C) An oar and canvas weighted down
- (D) All of the above

*If choice D is selected set score to 1.*

**41.** Your vessel has 3 lifeboats on each side. The aftermost boat on the port side is designated as which boat number?

- (A) 3 PORT
- (B) 5
- (C) 3
- (D) 6

*If choice D is selected set score to 1.*

**42.** How should an inflatable liferaft be manually released from its cradle?

- (A) Cutting the straps that enclose the container
- (B) Loosening the turnbuckle on the securing strap
- (C) Removing the rubber sealing strip from the container
- (D) Pushing the button on the hydrostatic release

*If choice D is selected set score to 1.*

**43.** During a SAR helicopter evolution the rescue sling is the most widely used method of extraction. Which of the following describes the alternate Double Lift Method used to pick-up incapacitated persons?

- (A) A normal rescue sling and a rescue seat used to simultaneously extract multiple personnel
- (B) A normal rescue sling and a rescue net used to simultaneously extract multiple personnel
- (C) A normal rescue sling and a seating belt manned by a helicopter crew member
- (D) Two normal rescue slings one manned by a helicopter crew member

*If choice C is selected set score to 1.*

**44.** Your vessel has 3 lifeboats on each side. What is the designated boat number of the aftermost boat on the starboard side?

- (A) 6
- (B) 5
- (C) 3
- (D) 3 STARBOARD

*If choice B is selected set score to 1.*

**45.** What is TRUE concerning frapping lines?

- (A) They are needed only on radial davits.
- (B) They are used to clear the puddings.
- (C) They are normally attached to the davit span.
- (D) They are used to steady a lifeboat when lowered.

*If choice D is selected set score to 1.*

**46.** What is the function of the hand holds or straps on the underside of an inflatable liferaft?

- (A) For crewmen to hang on to
- (B) To right the raft if it capsizes
- (C) To hang the raft for drying
- (D) To carry the raft around on deck

*If choice B is selected set score to 1.*

**47.** The lever shown in illustration D013SA below is operated when a lifeboat is in which of the following positions?

- (A) When waterborne
- (B) As it is being lowered to sea level
- (C) While at the embarkation deck
- (D) In the secured position in the davit

*If choice A is selected set score to 1.*

**48.** In illustration D012SA below, what is the mechanism that will release the tricing pendant?

- (A) The McCluny hook
- (B) The fore and aft gripes
- (C) A quick release lever
- (D) A 3/4" screw pin shackle

*If choice A is selected set score to 1.*

**49.** Which davit type may be operated by one person?

- (A) Quadrantal
- (B) Sheath-screw
- (C) Radial
- (D) Gravity

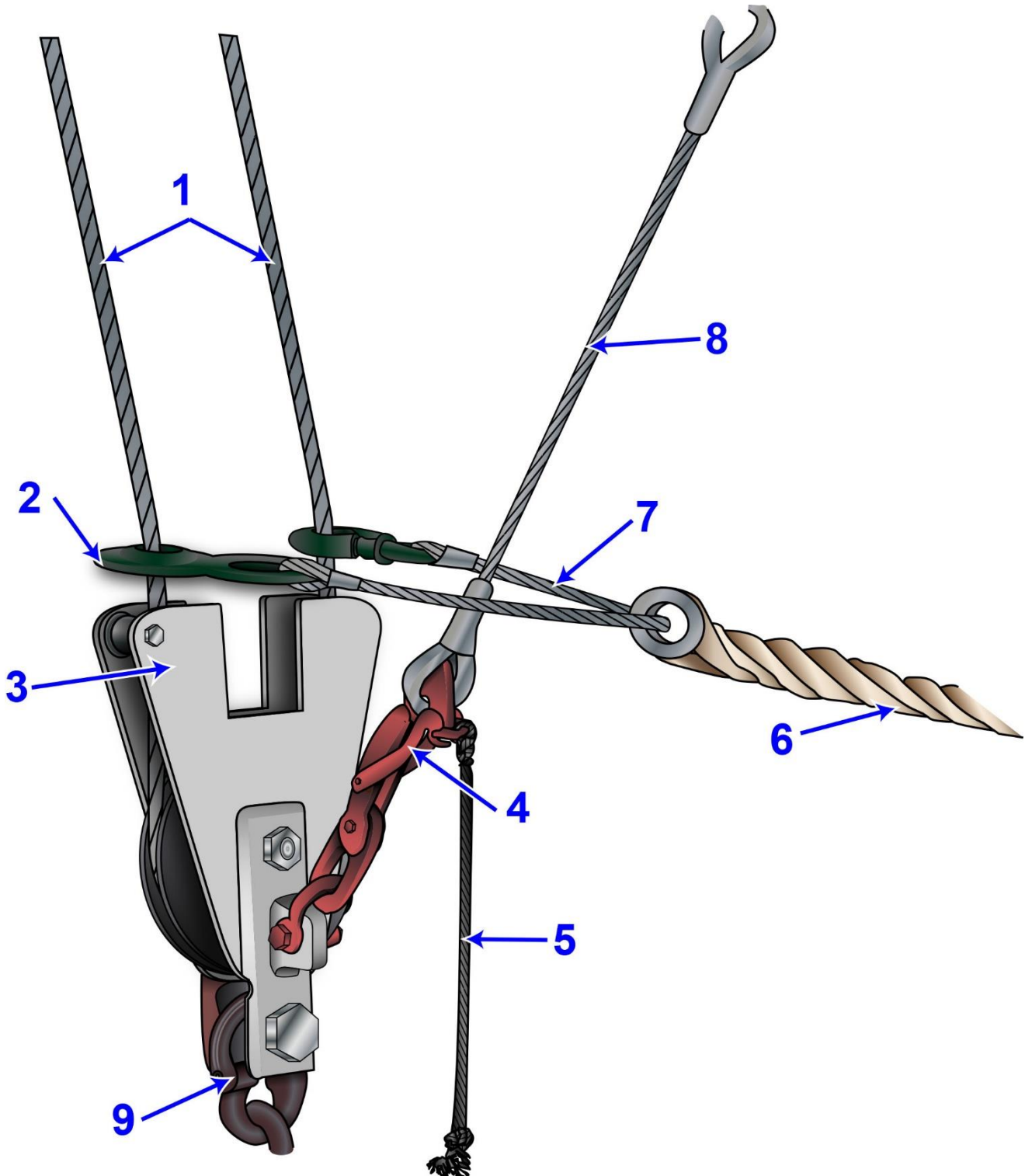
*If choice D is selected set score to 1.*

**50.** BOTH INTERNATIONAL & INLAND What does the continuous sounding of a fog whistle by a vessel indicate?

- (A) That the vessel is anchored
- (B) A vessel is in distress
- (C) A vessel is broken down and drifting
- (D) A request that the draw span of a bridge to be opened

*If choice B is selected set score to 1.*

## D012SA

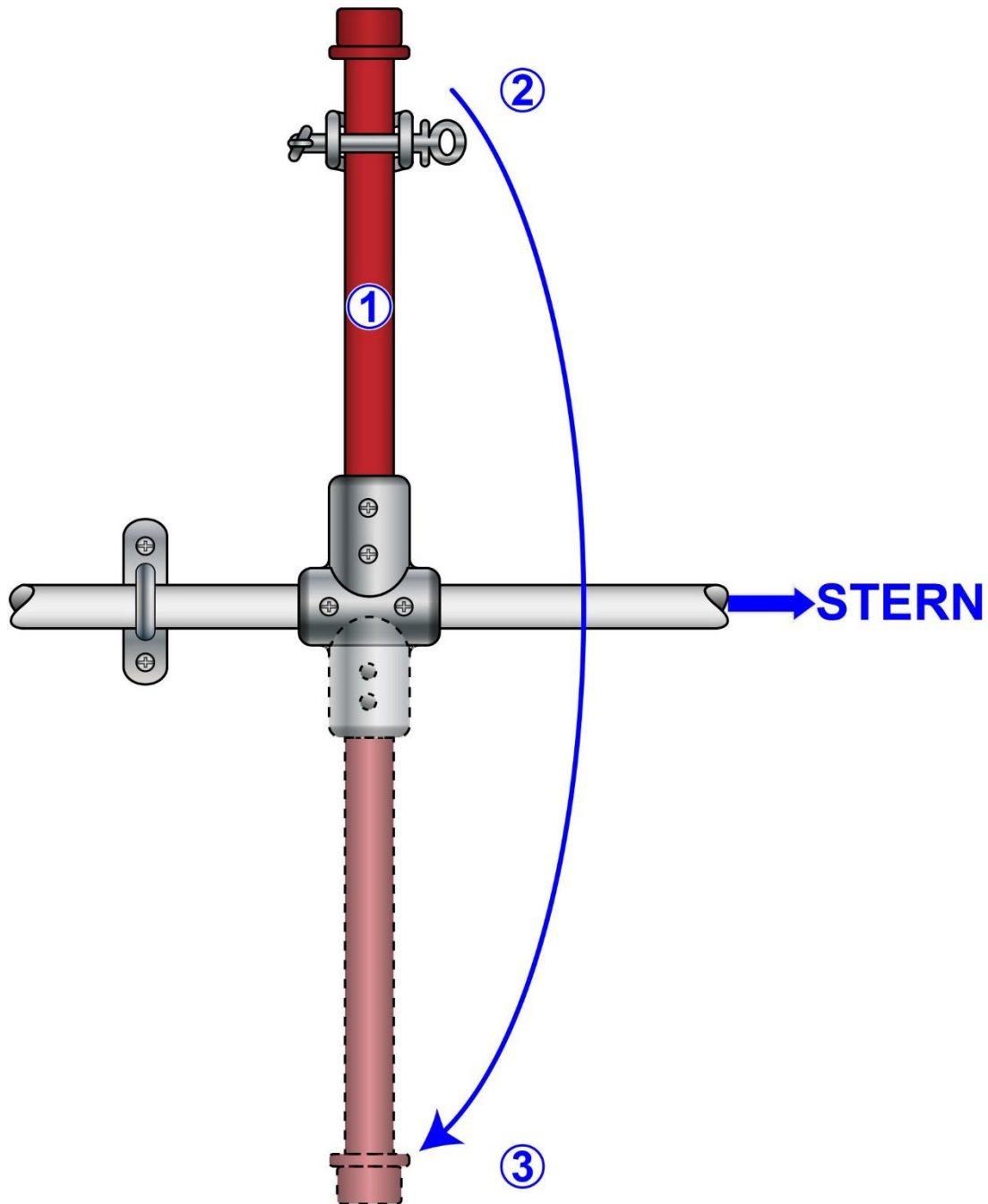


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## D013SA



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