

Rpt. 4b.

REPORT ON OIL ENGINE MACHINERY.

No. 1524.

14 JAN 1937

Received at London Office

Date of writing Report 9th Jan. 1937 When handed in at Local Office 9th Jan. 1937 Port of Maharr
No. in Survey held at Maharr Date, First Survey 25th May, 1936 Last Survey 7th Jan. 1937
Reg. Book Sample 88569 on the Single Triple Quadruple Screw vessel "HAYKONG" Number of Visits 164
Built at Maharr By whom built Hockmms M. V. 703 Yard No. 192 When built 1937
Engines made at Maharr By whom made Hockmms M. V. 703 Engine No. 147 When made 1937
Donkey Boilers made at Maharr By whom made Hockmms M. V. 703 Boiler No. 936/7 When made 1937
Brake Horse Power 4500 Owners M/s Flawlor Port belonging to Oslo
Nom. Horse Power as per Rule 1358 (1361 (mm)) Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
Trade for which vessel is intended 2354 4354

OIL ENGINES, &c.—Type of Engines MAN D7 2u 60/110 2 or 4 stroke cycle 2 Single or double acting Double
Maximum pressure in cylinders 50 kg. cm² Diameter of cylinders 600 mm. Length of stroke 1100 mm. No. of cylinders 7 No. of cranks 7
Mean Indicated Pressure 5.5 kg. cm² Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 860 mm. Is there a bearing between each crank Yes
Revolutions per minute 105 Flywheel dia. 2093 mm. Weight 6300 kgs. Means of ignition Diesel syst. Kind of fuel used Heavy oil.
Crank Shaft, dia. of journals as per Rule 420 mm. Crank pin dia. 420 mm. Crank Webs Mid. length breadth 300 mm. Thickness parallel to axis 265 mm.
Journals as fitted 420 " Mid. length thickness 265 " Thickness around eye hole 200 "
Flywheel Shaft, diameter as per Rule 420-375 mm. Intermediate Shafts, diameter as per Rule 356 mm. Thrust Shaft, diameter at collars as per Rule 375 mm.
as fitted 420-375 " as fitted 356 " as fitted 375 "
Tube Shaft, diameter as per Rule 394 mm. Is the shaft fitted with a continuous liner Yes
as fitted 400 " as fitted 400 "
Bronze Liners, thickness in way of bushes as per Rule 19.6 mm. Thickness between bushes as per rule 15 mm. Is the after end of the liner made watertight in the
as fitted 20 " as fitted 15 " propeller boss Yes
If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner Yes
If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Yes
If two liners are fitted, is the shaft lapped or protected between the liners Yes Is an approved Oil Gland or other appliance fitted at the after end of the tube
shaft No If so, state type Yes Length of Bearing in Stern Bush next to and supporting propeller 1750 mm.
Propeller, dia. 5150 mm. Pitch 4050 mm. No. of blades 4 Material Bronze whether Moveable No Total Developed Surface 100.8 sq. feet
Method of reversing Engines MAN method Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication
forced. Thickness of cylinder liners 41.5 mm. Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with
non-conducting material lagged. If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine funnel.
Cooling Water Pumps, No. 2 Each of 240 T/H. Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
Bilge Pumps worked from the Main Engines, No. 1 of 50 T/H (aux. eng.) Diameter 1.6" x 8" x 6" of 50 T/H. 1.6" x 6" x 6" of 30 T/H.
Pumps connected to the Main Bilge Line No. and Size 3 One of 100 T/H. 2 of 40 T/H each. Can one be overhauled while the other is at work Yes
How driven Steam driven. Electric. Steam driven. Steam driven.
Is the cooling water led to the bilges No If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping
arrangements Yes
Ballast Pumps, No. and size 1. 100 T/H. Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size 2. Each of 135 mi³/H.
Are two independent means arranged for circulating water through the Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
Pumps, No. and size:—In Machinery Spaces 3-4" 1-4" in after cofferdam. In main pump room 2-3 1/2" In Pump Room fwd. 1-3 1/2"
In Holds, &c. 2-3 1/2" in dry cargo hold. 1-3 1/2" in fwd. cofferdam.
Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1-5" 1-4"
Are all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Yes Are the Bilge Suctions in the Machinery Spaces
led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges Yes
Are all Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks Both
Are they fixed sufficiently high on the ship's side to be seen without lifting the platform plate covers Yes or by lifting special covers Are the Overboard Discharges above or below the deep water line Above
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes
What pipes pass through the bunkers Yes How are they protected Yes
What pipes pass through the deep tanks Suction pipe from after cofferdam Have they been tested as per Rule Yes
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
Is the arrangement of valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one
compartment to another Yes Is the Shaft Tunnel watertight No Tunnel Is it fitted with a watertight door Yes worked from Yes
If a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork Yes
Main Air Compressors, No. None No. of stages 2 Diameters 300-110 mm Stroke 240 mm Driven by Aux. engines.
Auxiliary Air Compressors, No. 2 No. of stages 2 TYPE Rental FSA Stroke 240 mm Driven by Aux. generator
Small Auxiliary Air Compressors, No. 1 No. of stages 2 Driven by steam engine.
Scavenging Air Pumps, No. 2 (Sanderson) Diameter 1380 mm Stroke 970 mm Driven by Main engine.
Auxiliary Engines crank shafts, diameter as per Rule 145 mm. LLOYD'S No. 21
as fitted 170 " 9436/7 Position In motor space.
P.K. 13-12-35

00427002434-00862

Lloyd's Register
Foundation

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule

Can the internal surfaces of the receivers be examined and cleaned. Yes Is a drain fitted at the lowest part of each receiver Yes
Small start. Yes Cubic capacity of each. 200 litres Internal diameter 444 mm. thickness 13 mm.
High Pressure Air Receivers, No. 1 Seamless, lap welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 46 kg. mm² Working pressure 58 kg. mm²
Starting Air Receivers, No. 2 Total cubic capacity 12 m³ Internal diameter 1450 mm. thickness 25 mm.
Seamless, lap welded or riveted longitudinal joint Painted Material Steel Range of tensile strength 41.5-46.4 Working pressure 31.9 kg. mm²

IS A DONKEY BOILER FITTED?

Is the donkey boiler intended to be used for domestic purposes only No If so, is a report now forwarded? Yes
PLANS. Are approved plans forwarded herewith for Shifting 15-10-1935 Receivers 20-8 & 17-10-1935 Separate Fuel Tanks 13-12-1935
Donkey Boilers 30-8-1935 General Pumping Arrangements 30-8-1935 Pumping Arrangements in Machinery Space 30-8-1935
Oil Fuel Burning Arrangements 13-12-1935

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes
State the principal additional spare gear supplied Main engine: 2 top and 2 bottom cylinder covers. 1 complete piston with rod. 7 complete piston rod packing boxes. 5 sets of piston rings. 1 set of piston rings for scavenge pumps. 1 complete fuel pump. 6 complete fuel nozzles and 20 extra springs. Telescope cooling pipes for 6 pistons. 1 propeller shaft.
(Cont. on sheet II.)

The foregoing is a correct description.

KOCKUMS
MEKANISKA VERKSTÄDS AKTIEBOLAG

Manufacturer.

Dates of Survey while building
During progress of work in shops - 19/9, 19/9, 20/9, 21/9, 22/9, 23/9, 24/9, 25/9, 26/9, 27/9, 28/9, 29/9, 30/9, 1/10, 2/10, 3/10, 4/10, 5/10, 6/10, 7/10, 8/10, 9/10, 10/10, 11/10, 12/10, 13/10, 14/10, 15/10, 16/10, 17/10, 18/10, 19/10, 20/10, 21/10, 22/10, 23/10, 24/10, 25/10, 26/10, 27/10, 28/10, 29/10, 30/10, 31/10, 1/11, 2/11, 3/11, 4/11, 5/11, 6/11, 7/11, 8/11, 9/11, 10/11, 11/11, 12/11, 13/11, 14/11, 15/11, 16/11, 17/11, 18/11, 19/11, 20/11, 21/11, 22/11, 23/11, 24/11, 25/11, 26/11, 27/11, 28/11, 29/11, 30/11, 1/12, 2/12, 3/12, 4/12, 5/12, 6/12, 7/12, 8/12, 9/12, 10/12, 11/12, 12/12, 13/12, 14/12, 15/12, 16/12, 17/12, 18/12, 19/12, 20/12, 21/12, 22/12, 23/12, 24/12, 25/12, 26/12, 27/12, 28/12, 29/12, 30/12, 31/12, 1/1, 2/1, 3/1, 4/1, 5/1, 6/1, 7/1, 8/1, 9/1, 10/1, 11/1, 12/1, 13/1, 14/1, 15/1, 16/1, 17/1, 18/1, 19/1, 20/1, 21/1, 22/1, 23/1, 24/1, 25/1, 26/1, 27/1, 28/1, 29/1, 30/1, 31/1, 1/2, 2/2, 3/2, 4/2, 5/2, 6/2, 7/2, 8/2, 9/2, 10/2, 11/2, 12/2, 13/2, 14/2, 15/2, 16/2, 17/2, 18/2, 19/2, 20/2, 21/2, 22/2, 23/2, 24/2, 25/2, 26/2, 27/2, 28/2, 29/2, 30/2, 31/2, 1/3, 2/3, 3/3, 4/3, 5/3, 6/3, 7/3, 8/3, 9/3, 10/3, 11/3, 12/3, 13/3, 14/3, 15/3, 16/3, 17/3, 18/3, 19/3, 20/3, 21/3, 22/3, 23/3, 24/3, 25/3, 26/3, 27/3, 28/3, 29/3, 30/3, 31/3, 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 8/4, 9/4, 10/4, 11/4, 12/4, 13/4, 14/4, 15/4, 16/4, 17/4, 18/4, 19/4, 20/4, 21/4, 22/4, 23/4, 24/4, 25/4, 26/4, 27/4, 28/4, 29/4, 30/4, 31/4, 1/5, 2/5, 3/5, 4/5, 5/5, 6/5, 7/5, 8/5, 9/5, 10/5, 11/5, 12/5, 13/5, 14/5, 15/5, 16/5, 17/5, 18/5, 19/5, 20/5, 21/5, 22/5, 23/5, 24/5, 25/5, 26/5, 27/5, 28/5, 29/5, 30/5, 31/5, 1/6, 2/6, 3/6, 4/6, 5/6, 6/6, 7/6, 8/6, 9/6, 10/6, 11/6, 12/6, 13/6, 14/6, 15/6, 16/6, 17/6, 18/6, 19/6, 20/6, 21/6, 22/6, 23/6, 24/6, 25/6, 26/6, 27/6, 28/6, 29/6, 30/6, 31/6, 1/7, 2/7, 3/7, 4/7, 5/7, 6/7, 7/7, 8/7, 9/7, 10/7, 11/7, 12/7, 13/7, 14/7, 15/7, 16/7, 17/7, 18/7, 19/7, 20/7, 21/7, 22/7, 23/7, 24/7, 25/7, 26/7, 27/7, 28/7, 29/7, 30/7, 31/7, 1/8, 2/8, 3/8, 4/8, 5/8, 6/8, 7/8, 8/8, 9/8, 10/8, 11/8, 12/8, 13/8, 14/8, 15/8, 16/8, 17/8, 18/8, 19/8, 20/8, 21/8, 22/8, 23/8, 24/8, 25/8, 26/8, 27/8, 28/8, 29/8, 30/8, 31/8, 1/9, 2/9, 3/9, 4/9, 5/9, 6/9, 7/9, 8/9, 9/9, 10/9, 11/9, 12/9, 13/9, 14/9, 15/9, 16/9, 17/9, 18/9, 19/9, 20/9, 21/9, 22/9, 23/9, 24/9, 25/9, 26/9, 27/9, 28/9, 29/9, 30/9, 31/9, 1/10, 2/10, 3/10, 4/10, 5/10, 6/10, 7/10, 8/10, 9/10, 10/10, 11/10, 12/10, 13/10, 14/10, 15/10, 16/10, 17/10, 18/10, 19/10, 20/10, 21/10, 22/10, 23/10, 24/10, 25/10, 26/10, 27/10, 28/10, 29/10, 30/10, 31/10, 1/11, 2/11, 3/11, 4/11, 5/11, 6/11, 7/11, 8/11, 9/11, 10/11, 11/11, 12/11, 13/11, 14/11, 15/11, 16/11, 17/11, 18/11, 19/11, 20/11, 21/11, 22/11, 23/11, 24/11, 25/11, 26/11, 27/11, 28/11, 29/11, 30/11, 31/11, 1/12, 2/12, 3/12, 4/12, 5/12, 6/12, 7/12, 8/12, 9/12, 10/12, 11/12, 12/12, 13/12, 14/12, 15/12, 16/12, 17/12, 18/12, 19/12, 20/12, 21/12, 22/12, 23/12, 24/12, 25/12, 26/12, 27/12, 28/12, 29/12, 30/12, 31/12, 1/13, 2/13, 3/13, 4/13, 5/13, 6/13, 7/13, 8/13, 9/13, 10/13, 11/13, 12/13, 13/13, 14/13, 15/13, 16/13, 17/13, 18/13, 19/13, 20/13, 21/13, 22/13, 23/13, 24/13, 25/13, 26/13, 27/13, 28/13, 29/13, 30/13, 31/13, 1/14, 2/14, 3/14, 4/14, 5/14, 6/14, 7/14, 8/14, 9/14, 10/14, 11/14, 12/14, 13/14, 14/14, 15/14, 16/14, 17/14, 18/14, 19/14, 20/14, 21/14, 22/14, 23/14, 24/14, 25/14, 26/14, 27/14, 28/14, 29/14, 30/14, 31/14, 1/15, 2/15, 3/15, 4/15, 5/15, 6/15, 7/15, 8/15, 9/15, 10/15, 11/15, 12/15, 13/15, 14/15, 15/15, 16/15, 17/15, 18/15, 19/15, 20/15, 21/15, 22/15, 23/15, 24/15, 25/15, 26/15, 27/15, 28/15, 29/15, 30/15, 31/15, 1/16, 2/16, 3/16, 4/16, 5/16, 6/16, 7/16, 8/16, 9/16, 10/16, 11/16, 12/16, 13/16, 14/16, 15/16, 16/16, 17/16, 18/16, 19/16, 20/16, 21/16, 22/16, 23/16, 24/16, 25/16, 26/16, 27/16, 28/16, 29/16, 30/16, 31/16, 1/17, 2/17, 3/17, 4/17, 5/17, 6/17, 7/17, 8/17, 9/17, 10/17, 11/17, 12/17, 13/17, 14/17, 15/17, 16/17, 17/17, 18/17, 19/17, 20/17, 21/17, 22/17, 23/17, 24/17, 25/17, 26/17, 27/17, 28/17, 29/17, 30/17, 31/17, 1/18, 2/18, 3/18, 4/18, 5/18, 6/18, 7/18, 8/18, 9/18, 10/18, 11/18, 12/18, 13/18, 14/18, 15/18, 16/18, 17/18, 18/18, 19/18, 20/18, 21/18, 22/18, 23/18, 24/18, 25/18, 26/18, 27/18, 28/18, 29/18, 30/18, 31/18, 1/19, 2/19, 3/19, 4/19, 5/19, 6/19, 7/19, 8/19, 9/19, 10/19, 11/19, 12/19, 13/19, 14/19, 15/19, 16/19, 17/19, 18/19, 19/19, 20/19, 21/19, 22/19, 23/19, 24/19, 25/19, 26/19, 27/19, 28/19, 29/19, 30/19, 31/19, 1/20, 2/20, 3/20, 4/20, 5/20, 6/20, 7/20, 8/20, 9/20, 10/20, 11/20, 12/20, 13/20, 14/20, 15/20, 16/20, 17/20, 18/20, 19/20, 20/20, 21/20, 22/20, 23/20, 24/20, 25/20, 26/20, 27/20, 28/20, 29/20, 30/20, 31/20, 1/21, 2/21, 3/21, 4/21, 5/21, 6/21, 7/21, 8/21, 9/21, 10/21, 11/21, 12/21, 13/21, 14/21, 15/21, 16/21, 17/21, 18/21, 19/21, 20/21, 21/21, 22/21, 23/21, 24/21, 25/21, 26/21, 27/21, 28/21, 29/21, 30/21, 31/21, 1/22, 2/22, 3/22, 4/22, 5/22, 6/22, 7/22, 8/22, 9/22, 10/22, 11/22, 12/22, 13/22, 14/22, 15/22, 16/22, 17/22, 18/22, 19/22, 20/22, 21/22, 22/22, 23/22, 24/22, 25/22, 26/22, 27/22, 28/22, 29/22, 30/22, 31/22, 1/23, 2/23, 3/23, 4/23, 5/23, 6/23, 7/23, 8/23, 9/23, 10/23, 11/23, 12/23, 13/23, 14/23, 15/23, 16/23, 17/23, 18/23, 19/23, 20/23, 21/23, 22/23, 23/23, 24/23, 25/23, 26/23, 27/23, 28/23, 29/23, 30/23, 31/23, 1/24, 2/24, 3/24, 4/24, 5/24, 6/24, 7/24, 8/24, 9/24, 10/24, 11/24, 12/24, 13/24, 14/24, 15/24, 16/24, 17/24, 18/24, 19/24, 20/24, 21/24, 22/24, 23/24, 24/24, 25/24, 26/24, 27/24, 28/24, 29/24, 30/24, 31/24, 1/25, 2/25, 3/25, 4/25, 5/25, 6/25, 7/25, 8/25, 9/25, 10/25, 11/25, 12/25, 13/25, 14/25, 15/25, 16/25, 17/25, 18/25, 19/25, 20/25, 21/25, 22/25, 23/25, 24/25, 25/25, 26/25, 27/25, 28/25, 29/25, 30/25, 31/25, 1/26, 2/26, 3/26, 4/26, 5/26, 6/26, 7/26, 8/26, 9/26, 10/26, 11/26, 12/26, 13/26, 14/26, 15/26, 16/26, 17/26, 18/26, 19/26, 20/26, 21/26, 22/26, 23/26, 24/26, 25/26, 26/26, 27/26, 28/26, 29/26, 30/26, 31/26, 1/27, 2/27, 3/27, 4/27, 5/27, 6/27, 7/27, 8/27, 9/27, 10/27, 11/27, 12/27, 13/27, 14/27, 15/27, 16/27, 17/27, 18/27, 19/27, 20/27, 21/27, 22/27, 23/27, 24/27, 25/27, 26/27, 27/27, 28/27, 29/27, 30/27, 31/27, 1/28, 2/28, 3/28, 4/28, 5/28, 6/28, 7/28, 8/28, 9/28, 10/28, 11/28, 12/28, 13/28, 14/28, 15/28, 16/28, 17/28, 18/28, 19/28, 20/28, 21/28, 22/28, 23/28, 24/28, 25/28, 26/28, 27/28, 28/28, 29/28, 30/28, 31/28, 1/29, 2/29, 3/29, 4/29, 5/29, 6/29, 7/29, 8/29, 9/29, 10/29, 11/29, 12/29, 13/29, 14/29, 15/29, 16/29, 17/29, 18/29, 19/29, 20/29, 21/29, 22/29, 23/29, 24/29, 25/29, 26/29, 27/29, 28/29, 29/29, 30/29, 31/29, 1/30, 2/30, 3/30, 4/30, 5/30, 6/30, 7/30, 8/30, 9/30, 10/30, 11/30, 12/30, 13/30, 14/30, 15/30, 16/30, 17/30, 18/30, 19/30, 20/30, 21/30, 22/30, 23/30, 24/30, 25/30, 26/30, 27/30, 28/30, 29/30, 30/30, 31/30, 1/31, 2/31, 3/31, 4/31, 5/31, 6/31, 7/31, 8/31, 9/31, 10/31, 11/31, 12/31, 13/31, 14/31, 15/31, 16/31, 17/31, 18/31, 19/31, 20/31, 21/31, 22/31, 23/31, 24/31, 25/31, 26/31, 27/31, 28/31, 29/31, 30/31, 31/31, 1/32, 2/32, 3/32, 4/32, 5/32, 6/32, 7/32, 8/32, 9/32, 10/32, 11/32, 12/32, 13/32, 14/32, 15/32, 16/32, 17/32, 18/32, 19/32, 20/32, 21/32, 22/32, 23/32, 24/32, 25/32, 26/32, 27/32, 28/32, 29/32, 30/32, 31/32, 1/33, 2/33, 3/33, 4/33, 5/33, 6/33, 7/33, 8/33, 9/33, 10/33, 11/33, 12/33, 13/33, 14/33, 15/33, 16/33, 17/33, 18/33, 19/33, 20/33, 21/33, 22/33, 23/33, 24/33, 25/33, 26/33, 27/33, 28/33, 29/33, 30/33, 31/33, 1/34, 2/34, 3/34, 4/34, 5/34, 6/34, 7/34, 8/34, 9/34, 10/34, 11/34, 12/34, 13/34, 14/34, 15/34, 16/34, 17/34, 18/34, 19/34, 20/34, 21/34, 22/34, 23/34, 24/34, 25/34, 26/34, 27/34, 28/34, 29/34, 30/34, 31/34, 1/35, 2/35, 3/35, 4/35, 5/35, 6/35, 7/35, 8/35, 9/35, 10/35, 11/35, 12/35, 13/35, 14/35, 15/35, 16/35, 17/35, 18/35, 19/35, 20/35, 21/35, 22/35, 23/35, 24/35, 25/35, 26/35, 27/35, 28/35, 29/35, 30/35, 31/35, 1/36, 2/36, 3/36, 4/36, 5/36, 6/36, 7/36, 8/36, 9/36, 10/36, 11/36, 12/36, 13/36, 14/36, 15/36, 16/36, 17/36, 18/36, 19/36, 20/36, 21/36, 22/36, 23/36, 24/36, 25/36, 26/36, 27/36, 28/36, 29/36, 30/36, 31/36, 1/37, 2/37, 3/37, 4/37, 5/37, 6/37, 7/37, 8/37, 9/37, 10/37, 11/37, 12/37, 13/37, 14/37, 15/37, 16/37, 17/37, 18/37, 19/37, 20/37, 21/37, 22/37, 23/37, 24/37, 25/37, 26/37, 27/37, 28/37, 29/37, 30/37, 31/37, 1/38, 2/38, 3/38, 4/38, 5/38, 6/38, 7/38, 8/38, 9/38, 10/38, 11/38, 12/38, 13/38, 14/38, 15/38, 16/38, 17/38, 18/38, 19/38, 20/38, 21/38, 22/38, 23/38, 24/38, 25/38, 26/38, 27/38, 28/38, 29/38, 30/38, 31/38, 1/39, 2/39, 3/39, 4/39, 5/39, 6/39, 7/39, 8/39, 9/39, 10/39, 11/39, 12/39, 13/39, 14/39, 15/39, 16/39, 17/39, 18/39, 19/39, 20/39, 21/39, 22/39, 23/39, 24/39, 25/39, 26/39, 27/39, 28/39, 29/39, 30/39, 31/39, 1/40, 2/40, 3/40, 4/40, 5/40, 6/40, 7/40, 8/40, 9/40, 10/40, 11/40, 12/40, 13/40, 14/40, 15/40, 16/40, 17/40, 18/40, 19/40, 20/40, 21/40, 22/40, 23/40, 24/40, 25/40, 26/40, 27/40, 28/40, 29/40, 30/40, 31/40, 1/41, 2/41, 3/41, 4/41, 5/41, 6/41, 7/41, 8/41, 9/41, 10/41, 11/41, 12/41, 13/41, 14/41, 15/41, 16/41, 17/41, 18/41, 19/41, 20/41, 21/41, 22/41, 23/41, 24/41, 25/41, 26/41, 27/41, 28/41, 29/41, 30/41, 31/41, 1/42, 2/42, 3/42, 4/42, 5/42, 6/42, 7/42, 8/42, 9/42, 10/42, 11/42, 12/42, 13/42, 14/42, 15/42, 16/42, 17/42, 18/42, 19/42, 20/42, 21/42, 22/42, 23/42, 24/42, 25/42, 26/42, 27/42, 28/42, 29/42, 30/42, 31/42, 1/43, 2/43, 3/43, 4/43, 5/43, 6/43, 7/43, 8/43, 9/43, 10/43, 11/43, 12/43, 13/43, 14/43, 15/43, 16/43, 17/43, 18/43, 19/43, 20/43, 21/43, 22/43, 23/43, 24/43, 25/43, 26/43, 27/43, 28/43, 29/43, 30/43, 31/43, 1/44, 2/44, 3/44, 4/44, 5/44, 6/44, 7/44, 8/44, 9/44, 10/44, 11/44, 12/44, 13/44, 14/44, 15/44, 16/44, 17/44, 18/44, 19/44, 20/44, 21/44, 22/44, 23/44, 24/44, 25/44, 26/44, 27/44, 28/44, 29/44, 30/44, 31/44, 1/45, 2/45, 3/45, 4/45, 5/45, 6/45, 7/45, 8/45, 9/45, 10/45, 11/45, 12/45, 13/45, 14/45, 15/45, 16/45, 17/45, 18/45, 19/45, 20/45, 21/45, 22/45, 23/45, 24/45, 25/45, 26/45, 27/45, 28/45, 29/45, 30/45, 31/45, 1/46, 2/46, 3/46, 4/46, 5/46, 6/46, 7/46, 8/46, 9/46, 10/46, 11/46, 12/46, 13/46, 14/46, 15/46, 16/46, 17/46, 18/46, 19/46, 20/46, 21/46, 22/46, 23/46, 24/46, 25/46, 26/46, 27/46, 28/46, 29/46, 30/46, 31/46, 1/47, 2/47, 3/47, 4/47, 5/47, 6/47, 7/47, 8/47, 9/47, 10/47, 11/47, 12/47, 13/47, 14/47, 15/47, 16/47, 17/47, 18/47, 19/47, 20/47, 21/47, 22/47, 23/47, 24/47, 25/47, 26/47, 27/47, 28/47, 29/47, 30/47, 31/47, 1/48, 2/48, 3/48, 4/48, 5/48, 6/48, 7/48, 8/48, 9/48, 10/48, 11/48, 12/48, 13/48, 14/48, 15/48, 16/48, 17/48, 18/48, 19/48, 20/48, 21/48, 22/48, 23/48, 24/48, 25/48, 26/48, 27/48, 28/48, 29/48, 30/48, 31/48, 1/49, 2/49, 3/49, 4/49, 5/49, 6/49, 7/49, 8/49, 9/49, 10/49, 11/49, 12/49, 13/49, 14/49, 15/49, 16/49, 17/49, 18/49, 19/49, 20/49, 21/49, 22/49, 23/49, 24/49, 25/49, 26/49, 27/49, 28/49, 29/49, 30/49, 31/49, 1/50, 2/50, 3/50, 4/50, 5/50, 6/50, 7/50, 8/50, 9/50, 10/50, 11/50, 12/50, 13/50, 14/50, 15/50, 16/50, 17/50, 18/50, 19/50, 20/50, 21/50, 22/50, 23/50, 24/50, 25/50, 26/50, 27/50, 28/50, 29/50, 30/50, 31/50, 1/51, 2/51, 3/51, 4/51, 5/51, 6/51, 7/51, 8/51, 9/51, 10/51, 11/51, 12/51, 13/51, 14/51, 15/51, 16/51, 17/51, 18/51, 19/51, 20/51, 21/51, 22/51, 23/51, 24/51, 25/51, 26/51, 27/51, 28/51, 29/51, 30/51, 31/51, 1/52, 2/52, 3/52, 4/52, 5/52, 6/52, 7/52, 8/52, 9/52, 10/52, 11/52, 12/52, 13/52, 14/52, 15/52, 16/52, 17/52, 18/52, 19/52, 20/52, 21/52, 22/52, 23/52, 24/52, 25/52, 26/52, 27/52, 28/52, 29/52, 30/52, 31/52, 1/53, 2/53, 3/53, 4/53, 5/53, 6/53, 7/53, 8/53, 9/53, 10/53, 11/53, 12/53, 13/53, 14/53, 15/53, 16/53, 17/53, 18/53, 19/53, 20/53, 21/53, 2