

REPORT ON BOILERS.

No. 1577.

Received at London Office

JUN -1 1937

Date of writing Report 29th May, 1937. When founded in at Local Office 31st May, 1937. Port of Maharrö.
 No. in Survey held at Maharrö. Date, First Survey 26th Nov, 1936 Last Survey 26th May, 1937.
 050 on the Single Summit Motor Tanker "REALF" (Number of Visits 49.) Gross 8083 Tons Net 4741
 Master Built at Maharrö By whom built Kockmann M. V. 703. Yard No. 194 When built 1937.
 Engines made at Maharrö By whom made Kockmann M. V. 703. Engine No. 151 When made 1937.
 Boilers made at Maharrö By whom made Kockmann M. V. 703. Boiler No. 942/3 When made 1937.
 Nominal Horse Power 1167 Owners M/S Asphmied Port belonging to Mosso.

MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Deutsche Rohrenwerke A.G. Wark Styrar Mühlheim (Letter for Record S. ✓)
 Total Heating Surface of Boilers $2 \times 122 = 244 \text{ m}^2$ Is forced draught fitted Yes Coal or Oil fired Oil
 No. and Description of Boilers Two 8.03. Working Pressure 12 kg. cm^2 . = 171 lb.
 Tested by hydraulic pressure to 306 lbs. Date of test 2-3-1937. No. of Certificate 74 & 75 Can each boiler be worked separately Yes
 Area of Firegrate in each Boiler ✓ No. and Description of safety valves to each boiler 2 - direct spring loaded.
 Area of each set of valves per boiler (per Rule 5900 mm^2) Pressure to which they are adjusted 175 lbs. Are they fitted with easing gear Yes
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
 Smallest distance between boilers or uptakes and bunkers or woodwork 1050 mm. Is oil fuel carried in the DEEP TANK under boilers Yes
 Smallest distance between shell of boiler and tank top plating 540 mm. Is the bottom of the boiler insulated Yes
 Largest internal dia. of boilers 3400 mm. Length ext. 3400 mm. Shell plates: Material Steel Tensile strength 45.7-49.8 kg. mm^2
 Thickness 22.5 mm. Are the shell plates welded or flanged No Description of riveting: circ. seams {end D.R. inter. ✓
 Long. seams T.R. D.B.S. ✓ Diameter of rivet holes in {circ. seams 26 mm. Pitch of rivets {83 mm. 171.5 mm.
 Percentage of strength of circ. end seams {plate 68.6 % rivets 46.7 % Percentage of strength of circ. intermediate seam {plate ✓ rivets ✓
 Percentage of strength of longitudinal joint {plate 86.3 % rivets 86.2 % combined 89.8 % Working pressure of shell by Rules 12.6 kg. cm^2 .
 Thickness of butt straps {outer 17 mm. inner 20 mm. No. and Description of Furnaces in each Boiler Two corrugated.
 Material Steel Tensile strength 43.3-46.0 kg. mm^2 . Smallest outside diameter 1076 mm.
 Length of plain part {top ✓ bottom ✓ Thickness of plates {top 13 mm. Description of longitudinal joint Welded.
 Dimensions of stiffening rings on furnace or c.c. bottom ✓ Working pressure of furnace by Rules 13.5 kg. cm^2 .
 End plates in steam space: Material Steel Tensile strength 43.8-45.8 kg. mm^2 . Thickness 22 mm. Pitch of stays 350 x 406 mm.
 How are stays secured Spl. nuts and washers. Working pressure by Rules 12.9 kg. cm^2 .
 End plates: Material {front Steel Tensile strength 43.8-45.8 kg. mm^2 . Thickness {22 mm. 21 mm.
 {back Steel Tensile strength 43.7-45.5 kg. mm^2 .
 Can pitch of stay tubes in nests 240 mm. Pitch across wide water spaces 330 mm. Working pressure {front 14.5 kg. cm^2 . back 14.3 kg. cm^2 .
 Orders to combustion chamber tops: Material Steel Tensile strength 48.2 kg. mm^2 . Depth and thickness of girder
 centre $2 \times (180 \times 20) \text{ mm}$. Length as per Rule 735 mm. Distance apart 210 mm. No. and pitch of stays
 each 2-228 Working pressure by Rules 17.1 kg. cm^2 . Combustion chamber plates: Material Steel
 Tensile strength 43.2-45.7 kg. mm^2 . Thickness: Sides 17.5 mm. Back 18 mm. Top 17.5 mm. Bottom 17.5 mm.
 Pitch of stays to ditto: Sides $228 \times 190-210 \text{ mm}$. Back $216 \times 203 \text{ mm}$. Top $228 \times 210 \text{ mm}$. Are stays fitted with nuts or riveted over As per app. plan.
 Working pressure by Rules 12.01 kg. cm^2 . Front plate at bottom: Material Steel Tensile strength 44.3-45.8 kg. cm^2 .
 Thickness 22 mm. Lower back plate: Material Steel Tensile strength 43.8-44.7 kg. mm^2 . Thickness 22 mm.
 Pitch of stays at wide water space $330 \times 216 \text{ mm}$. Are stays fitted with nuts or riveted over Margins stays with nuts
 Working Pressure 17.8 kg. cm^2 . Main stays: Material Steel Tensile strength 44-50 kg. mm^2 .
 Diameter {At body of stay, or Over threads $2 \frac{3}{8}'' - 3''$ No. of threads per inch 6 Area supported by each stay 142100 mm^2 .
 Working pressure by Rules 12.4 kg. cm^2 . Screw stays: Material Steel Tensile strength 41-47 kg. mm^2 .
 Diameter {At turned off part, or Over threads 34 & 37 mm. No. of threads per inch 9 Area supported by each stay 43320.

Working pressure by Rules 12.8 kg. cm². Are the stays drilled at the outer ends No Margin stays: Diameter { At turned off part, 34 x 37 mm. Over threads
No. of threads per inch 9 Area supported by each stay 57560 mm² Working pressure by Rules 12 kg. cm².
Tubes: Material steel External diameter { Plain 2 1/4" Thickness { 3.25 mm No. of threads per inch 9 Stay 2 1/4"
Pitch of tubes 89 x 92 mm. Working pressure by Rules P. 12.5 S. 15 kg. cm². Manhole compensation: Size of opening in shell plate 400 x 500 mm. Section of compensating ring 12000 mm² No. of rivets and diameter of rivet holes 44-26 mm.
Outer row rivet pitch at ends 190 mm. Depth of flange if manhole flanged 85 mm. Steam Dome: Material
Tensile strength Thickness of shell Description of longitudinal joint
Diameter of rivet holes Pitch of rivets Percentage of strength of joint { Plate Rivets
Internal diameter Working pressure by Rules Thickness of crown No. and diameter of stays
How connected to shell Inner radius of crown Working pressure by Rules
Size of doubling plate under dome Diameter of rivet holes and pitch of rivets in outer row in dome connection to shell
Type of Superheater Manufacturers of { Tubes Steel castings
Number of elements Material of tubes Internal diameter and thickness of tubes
Material of headers Tensile strength Thickness Can the superheater be shut off and the boiler be worked separately
Is a safety valve fitted to every part of the superheater which can be shut off from the boiler
Area of each safety valve Are the safety valves fitted with easing gear Working pressure as per Rules
Pressure to which the safety valves are adjusted Hydraulic test pressure: tubes, castings and after assembly in place Are drain cocks or valves fitted to free the superheater from water where necessary
Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with Yes.

The foregoing is a correct description,
MEKANISKA VERKSTADS AKTIEBOLAG
S. Lundberg mfr. Manufacturer.
Dates of Survey { During progress of work in shops - 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, 22/53, 23/53, 24/53, 25/53, 26/53, 27/53, 28/53, 29/53, 30/53, 31/53, 1/54, 2/54, 3/54, 4/54, 5/54, 6/54, 7/54, 8/54, 9/54, 10/54, 11/54, 12/54, 13/54, 14/54, 15/54, 16/54, 17/54, 18/54, 19/54, 20/54, 21/54, 22/54, 23/54, 24/54, 25/54, 26/54, 27/54, 28/54, 29/54, 30/54, 31/54, 1/55, 2/55, 3/55, 4/55, 5/55, 6/55, 7/55, 8/55, 9/55, 10/55, 11/55, 12/55, 13/55, 14/55, 15/55, 16/55, 17/55, 18/55, 19/55, 20/55, 21/55, 22/55, 23/55, 24/55, 25/55, 26/55, 27/55, 28/55, 29/55, 30/55, 31/55, 1/56, 2/56, 3/56, 4/56, 5/56, 6/56, 7/56, 8/56, 9/56, 10/56, 11/56, 12/56, 13/56, 14/56, 15/56, 16/56, 17/56, 18/56, 19/56, 20/56, 21/56, 22/56, 23/56, 24/56, 25/56, 26/56, 27/56, 28/56, 29/56, 30/56, 31/56, 1/57, 2/57, 3/57, 4/57, 5/57, 6/57, 7/57