Exercises: The Completeness Axiom

4.1, 4.2, 4.3, 6.4

UPPOR Bound = 1,5,10

mare S=1 Cowar Bound = -1, -5,0

rown S = No men UPPON Round = 1, 5,10

mare S=No mare Cower Bound = -1,-5,0

mus S = 2

UPPOR Round = 7,10,15

mase s= 7

Cowar Bound = -5,0,2

SUPS = 7 inf S = 2

©
$$S = \frac{1}{2} \frac{1}{2} \cdot n \in IN$$
 $S = \frac{1}{2} \frac{1}{2} \cdot \frac{1}{2}$

$$\frac{1}{12} = \frac{1}{12} = \frac{1}{12}$$

rem S = No mier

UPPOR Round = 1,213

mare S = No mare

Comer Bound = -1,2,0

SUPS = 1 inf S = 0

roun S = = 1,2,3

mare S= No more

Comas Bonng = 3 3 10

SUPS = 1

inf S = ==

UPPOR Bound = No opper Round

mare C = No more Cowar Bound = 01 -1,-2

SUPS = NO SUP infs = 0

roun S = No min OPPON Bound = 2,3,4

round cowol on = No lower Dound

inf (= no inf

SUPS = 2 inf S = No inf

(m) { 2160: 21,5 CMB

mare S = No mare Cowar Bound = -21-2,-7

 $SUPS = 2 \quad inf S = -2$

(2) \(\alpha \in \O : \alpha \c 5 \rangle \)

mare C = 40 mars (00001 Bound = -251-71-4

SUPS = NO SOP inf S = NO inf

 $= (0,2) \cup (\frac{7}{5}) \frac{5}{3} \cup (\frac{2}{5}) \frac{3}{4}$

··· = 213

roun S = 1 Oppor Bound = 1,213 mare S= 1 (ower Bound = 1,0,-1 SUPS = 1 inf S = 1