Hunter Bresler S, = \(\frac{2}{5}, \frac{1}{5}, \frac{1}{5} 3,US,={1,2,4,5,6,8,9,10} I wasn't sure if the line above was a negation or artifact, so I wrote both. I'm also not sure if  $V=\{1:10\}$  includes 10. 2, St & 2, 35,73 S2 = £2,4, 5, 8,93 #  $S_{1} \times S_{2} = \{(2,2), (2,4), (2,5), (2,3), (2,9)\}$  (3,2), (3,4), (3,5), (3,4), (3,9), (3,9), (5,2), (5,2), (5,9), (5,2), (5,2), (5,2), (7111 3. If 5,=5, then 5, US,=5, NS, X= Sin Si X=X + SiVS2 = SinS2 4. a) w= aabbab www= aabbabaabbabaabbab NOTE, the homework PDF writes the we as a superscript, therefore R is a length and not denoting a reversal of the string w. 1

