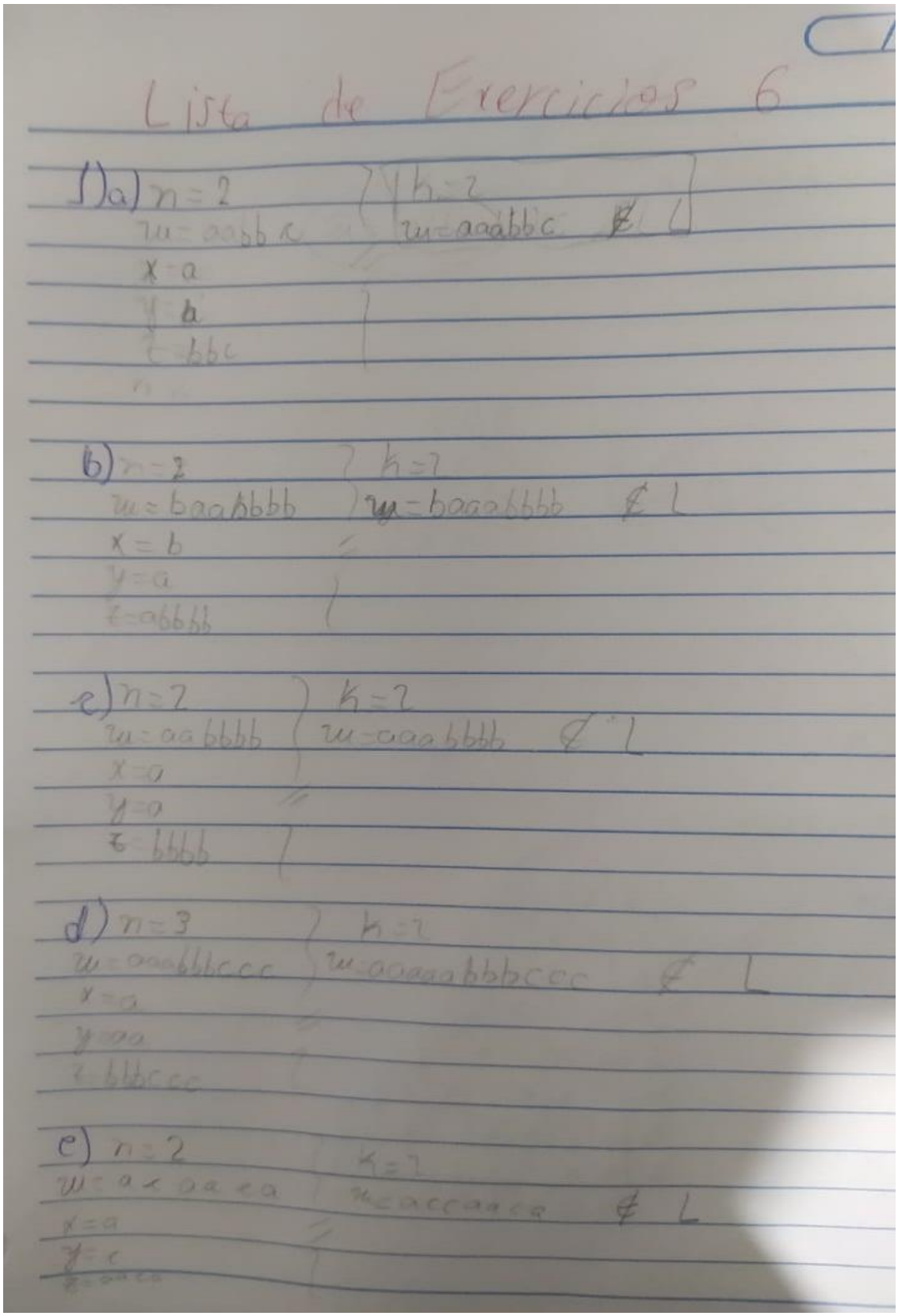
Lista de Exercícios 6 – Victor Ramos BV3026191



Lista de Exercícios 6

1) a) n = 2 | k = 2
w = aabbc | w = aaabbc ∉ L
x = a
y = b
z = bbc

b) n = 2 | k = 2
w = baaabbbb | w = baaabbbb ∉ L
x = b
y = a
z = abbbb

c) n = 2 | k = 2
w = aabbbb | w = aaabbbb ∉ L
x = a
y = a
z = bbbb

d) n = 3 | k = 2
w = aaabbbccc | w = aaaaabbbccc ∉ L
x = a
y = aa
z = bbbccc

e) n = 2 | k = 2
w = axaaca | w = axccaaca ∉ L
x = a
y = c
z = aaca

f) $n=2$

$u = aaaaaaaa\,bbbbcc$

$x = a$

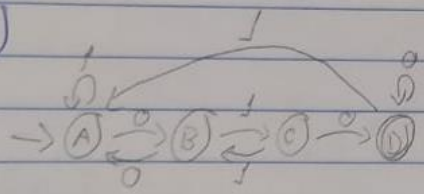
$y = a$

$z = aaaaaa\,bbbbcc$?

$k = 2$

$u = aaa\,aaaaaa\,bbbbcc$ $\notin L$

2)



	0	1
→A	B	A
B	A	C
C	D	B
*D	D	A

B	X		
C	X	X	
D	X	X	X
	A	B	C

	D	B
*D	D	A

3) ABCEFIDHG

com 1:

A → E → I*

B → F* →

C* → H

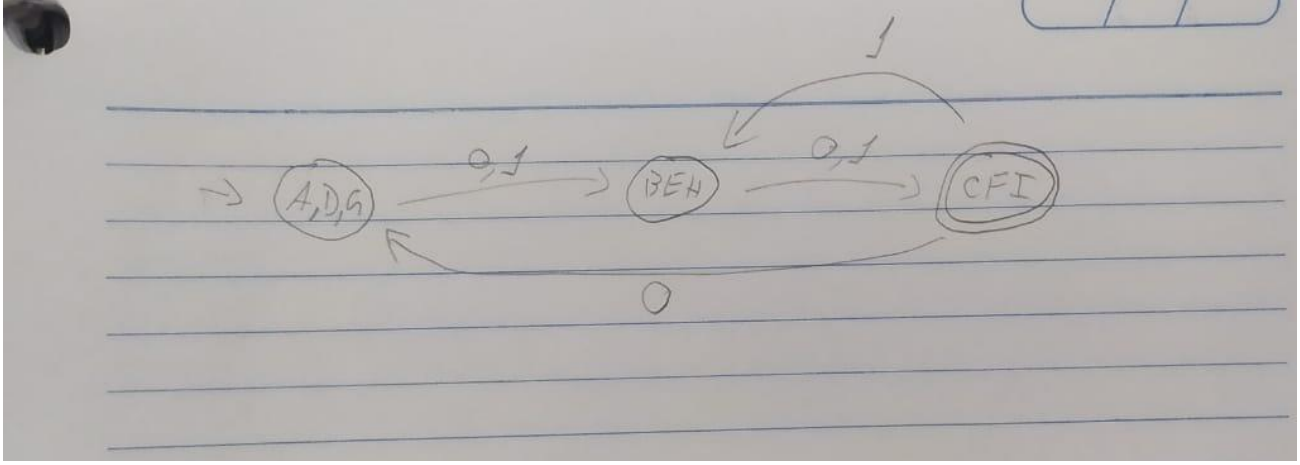
D → H → C*

E → I*

F* → B

G → B → F*

H → C*

I* → E

	A	B	C	D	E	F	G	H
B	X							
C	X	X						
D		X	X					
E	X		X	X				
F	X	X		X	X			
G		X	X		X	X		
H	X		X	X		X	X	
I	X	X		X	X		X	X