Andrew Plum Prof. Beeston C5 210 3/30/2023 1) <pattern>:=

Assignment #2

1) <pattern>::= <name>| _ <constant> <tuple>| <more patterns>::= ,<pattern> <more patterns> <empty> <tuple>::=(<pattern>, <pattern> <more patterns>)
::=[] [<1:st element> <more list elements>]
<cons>::= <| ist element> <more list elements>
<more list elements>::= ,<| ist element> <more list elements>

×1	x=3k; k is an integer y=24m; m is an integer
2	y=z4m; m is an integer
3	v= 24m
	= 3(8 m)
	x = 3k; k is an integer because (8m) is an integer
	·· X:= y is safe

c) Counter example: 7 is a prime integer greater than 3 and is not divisible by 3

i. Z:=X is unsafe

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