
String Theory Activity

Let the following string variables exist:

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x: string of Integer, where x = <33,-5,10,25,-14>
y: string of Integer, where y = <0,7>
r: string of Text, where r = <"Marie","Jason","Nicky","Conklin">
s: string of Text, where s = <"rojo","verde">
t: string of Text, where t = < >
```

Answer the following:

1. $x * y =$
2. $y * x =$
3. $|r| =$
4. $|t| =$
5. $x[1,4) =$
6. $s * t =$
7. $t * s =$
8. Let $b = \text{"azul"}$ (b is a variable of type Text)
 $s * \langle b \rangle =$
9. $\text{rev}(r) =$
10. $\text{rev}(t) =$
11. Let $z = \langle \text{"Jason"}, \text{"Marie"} \rangle$ then z is prefix of $r =$
12. Let $w = \langle 33, -5, 10 \rangle$ then w is prefix of $x =$
13. $x[0,1) =$
14. $x[|x|-1, |x|) =$
15. $\text{perms}(r, \text{rev}(r)) =$
16. $\text{perms}(x, \langle -5, 33, 10, 52, -41 \rangle) =$
17. $r[3,4) * s[0,1) =$
18. $s[0,1) * r[1,2) * s[1,2) =$
19. The data type in the string variable x is:
20. The data type in the string variable t is: