

?- factorial(2, X).

1. fail

2. factorial(1, X1), X is 2 * X1

3. fail

4. factorial(0, X2), X1 is 1 * X2, X is 2 * X1

X2 = 1

5. X1 is 1 * 1, X is 2 * X1

PRUNED

X1 = 1

6. X is 2 * 1

7. X = 2