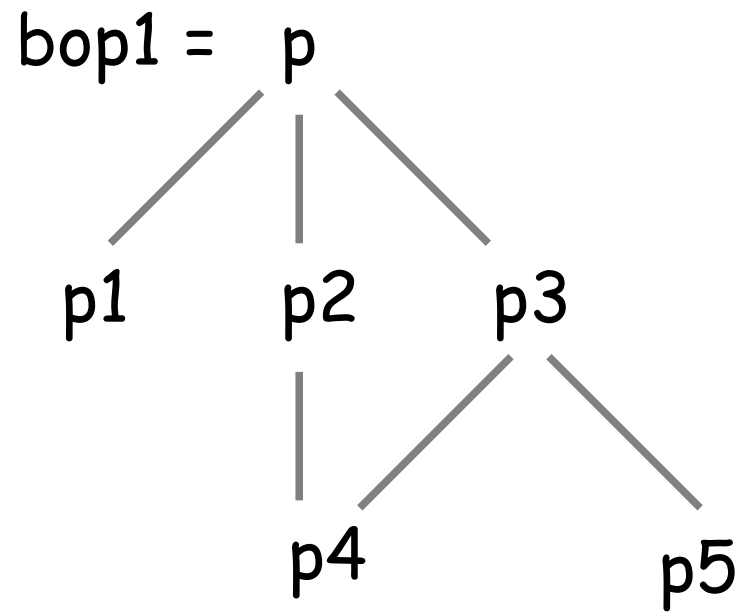
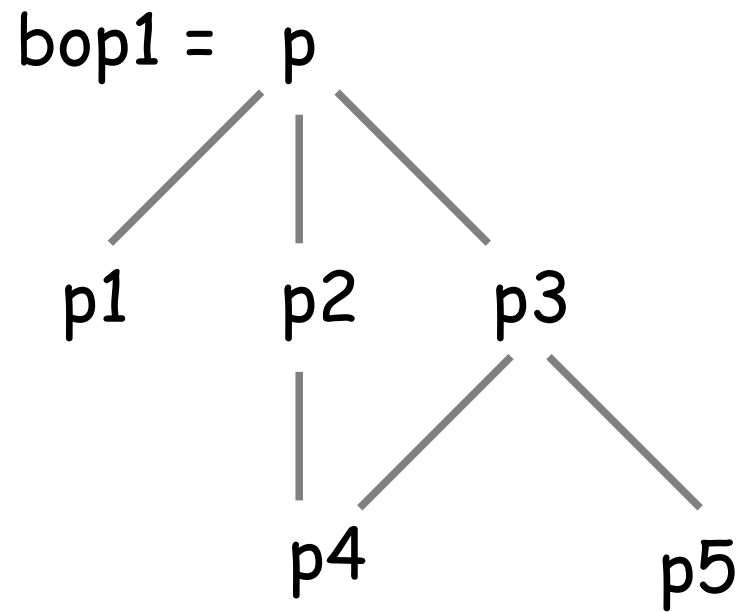


Bill of Products

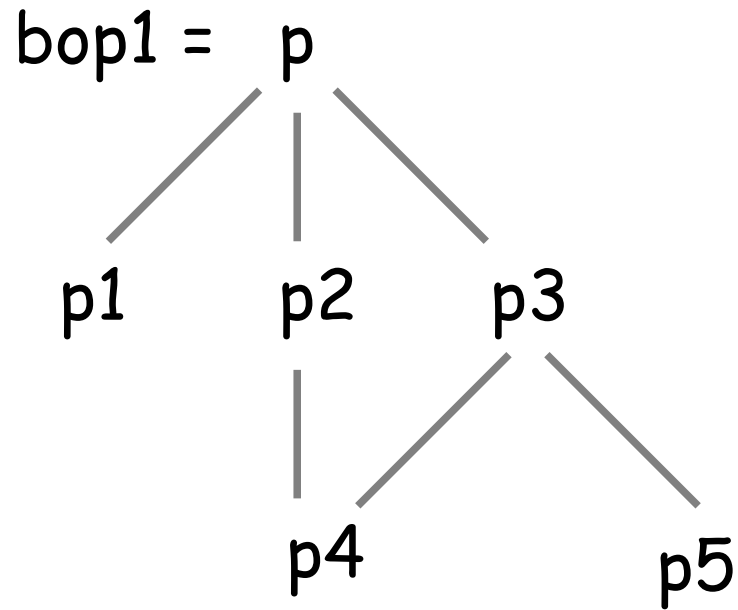


Bill of Products



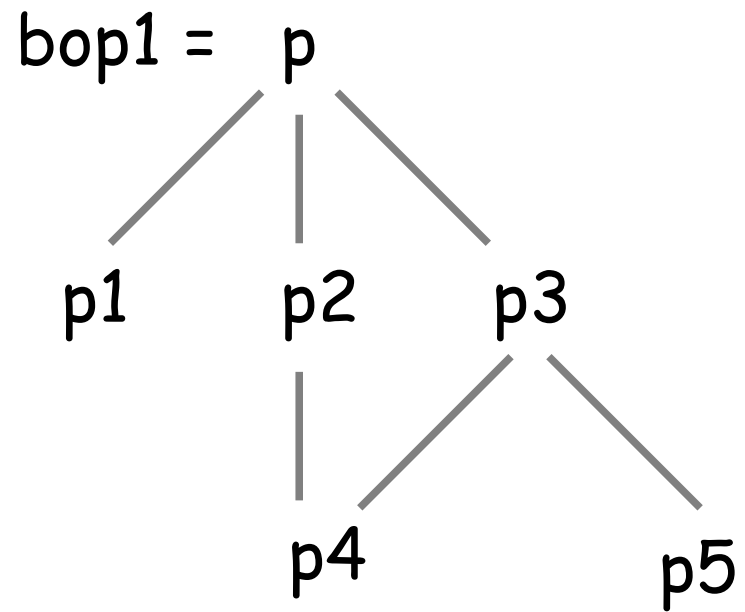
Define bop1

Bill of Products



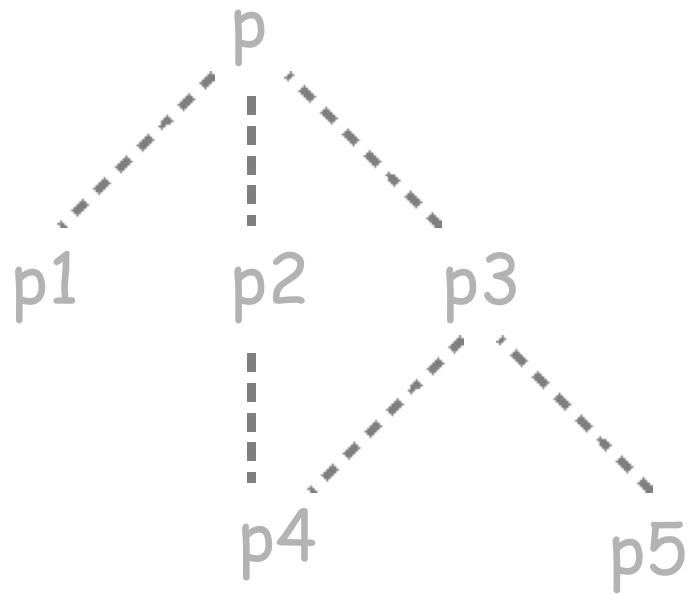
```
value bop1 : Bop =  
  [ p +> { p1, p2, p3 },  
    p1 +> { },  
    p2 +> { p4 },  
    p3 +> { p4, p5 },  
    p4 +> { },  
    p5 +> { }  
  ]
```

Bill of Products



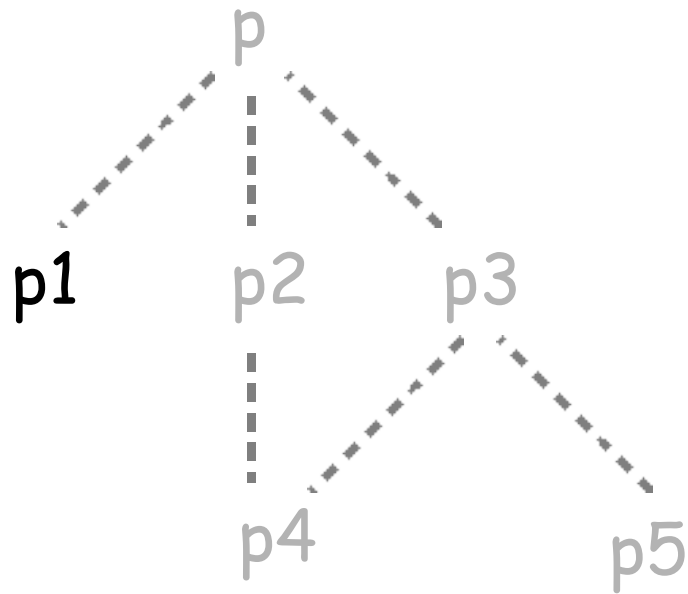
How can bop1 be created?

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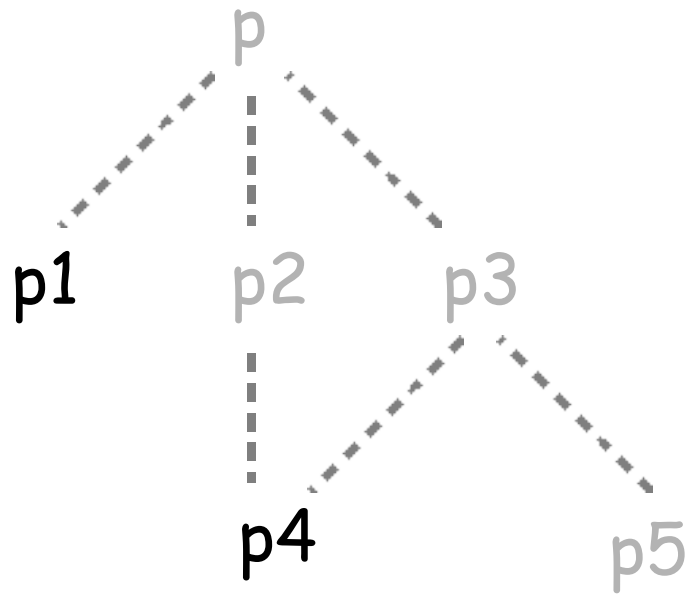
empty

Bill of Products



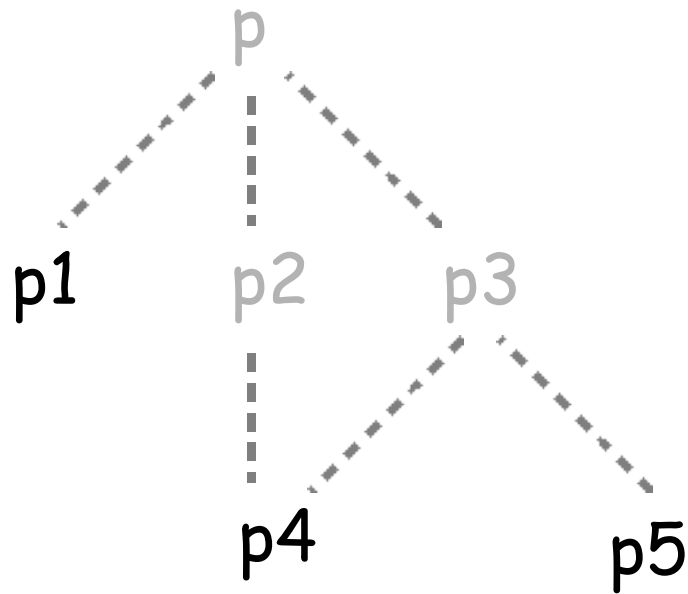
`enter(p1, { }, empty)`

Bill of Products



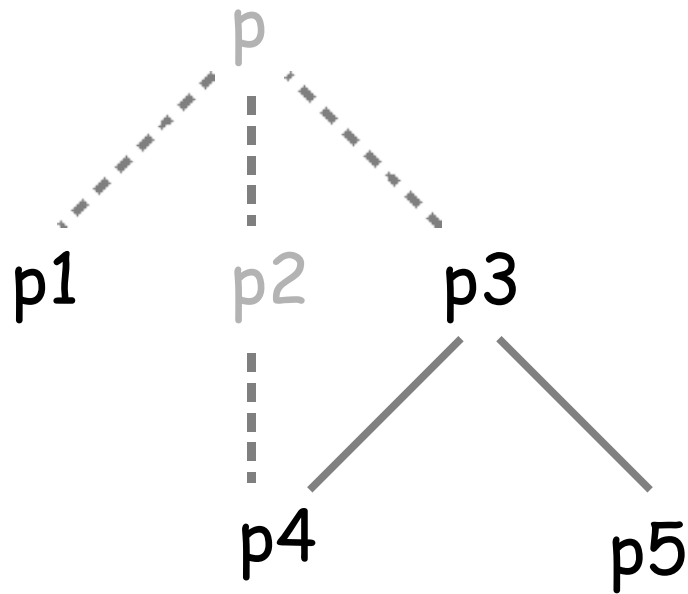
```
enter( p4, { },  
      enter( p1, { }, empty ) )
```

Bill of Products



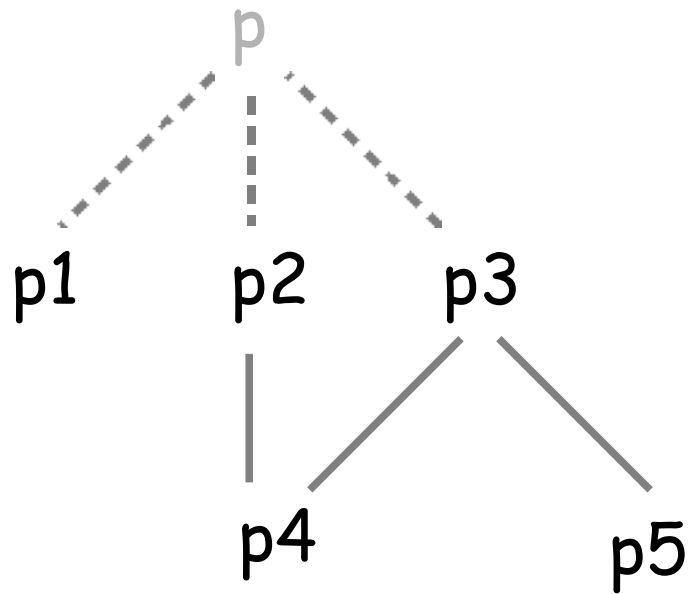
```
enter( p5, { },  
      enter( p4, { },  
            enter( p1, { }, empty )))
```


Bill of Products



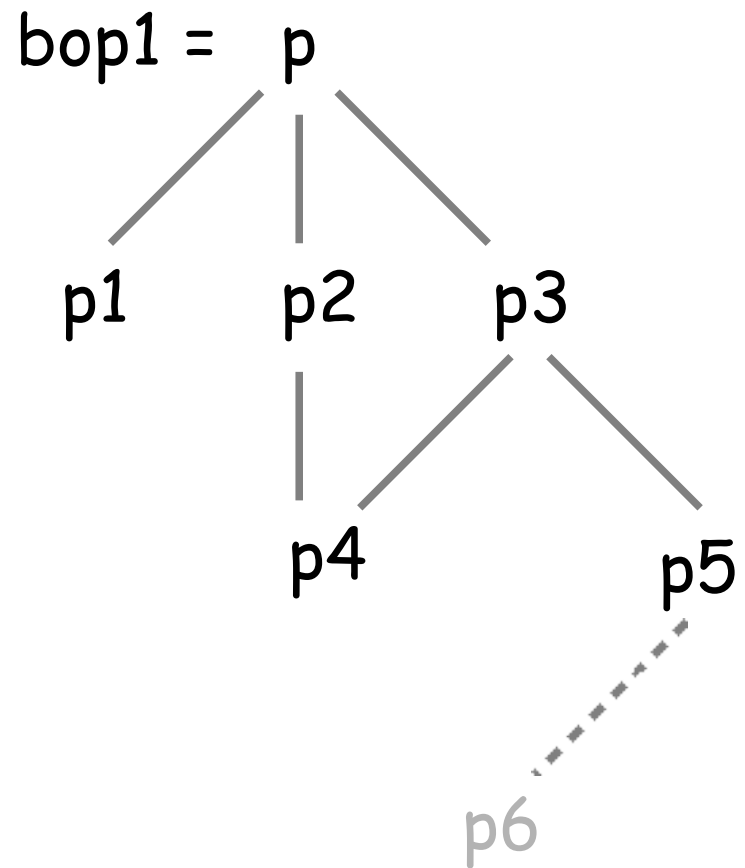
```
enter( p3, { p4, p5 },  
      enter( p5, { },  
            enter( p4, { },  
                  enter( p1, { }, empty ) ) ) ) )
```

Bill of Products



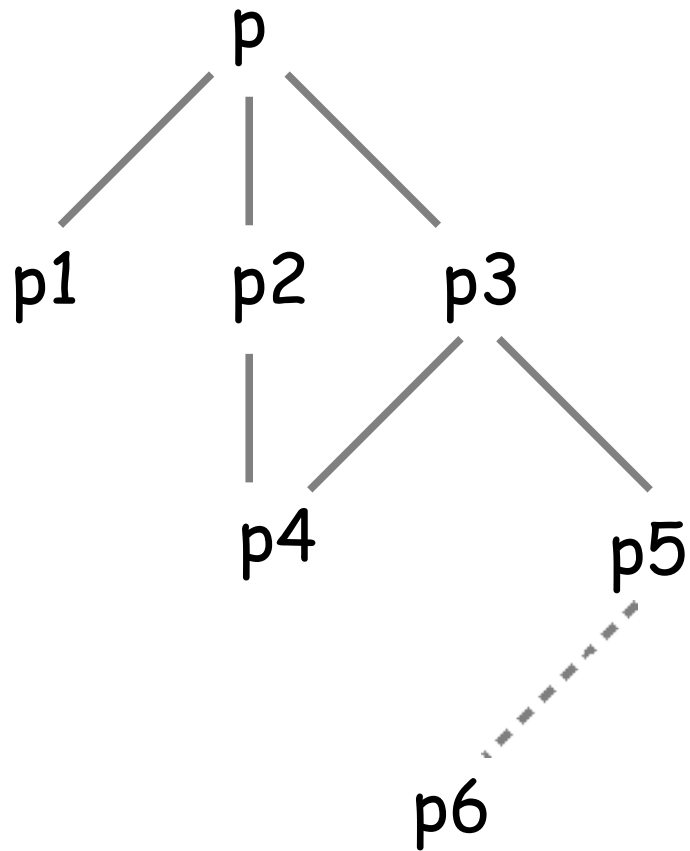
```
enter( p2, { p4 },  
  enter( p3, { p4, p5 },  
    enter( p5, { },  
      enter( p4, { },  
        enter( p1, { }, empty ) ) ) ) ) ) )
```


Bill of Products



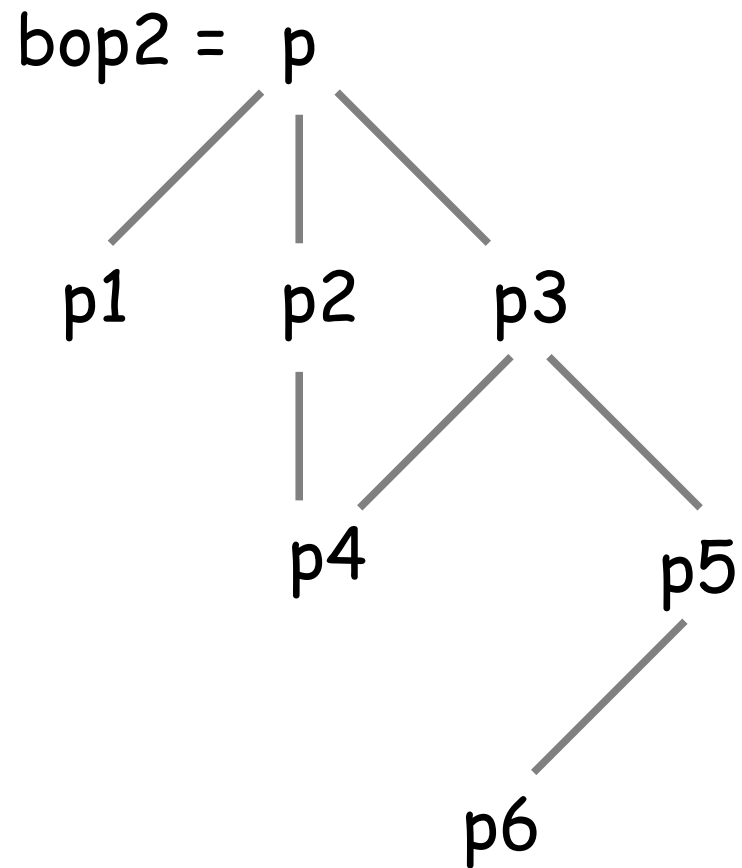
Insert p6

Bill of Products



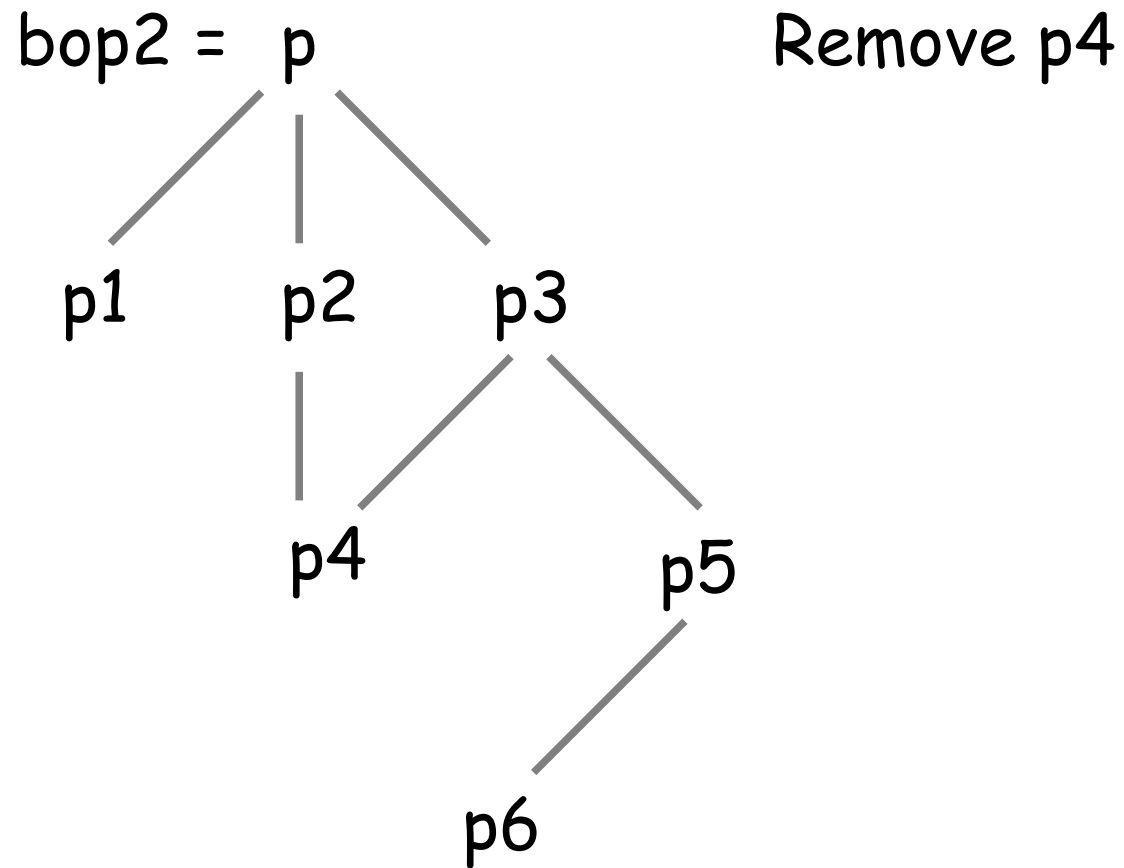
`enter(p6, { }, bop1)`

Bill of Products

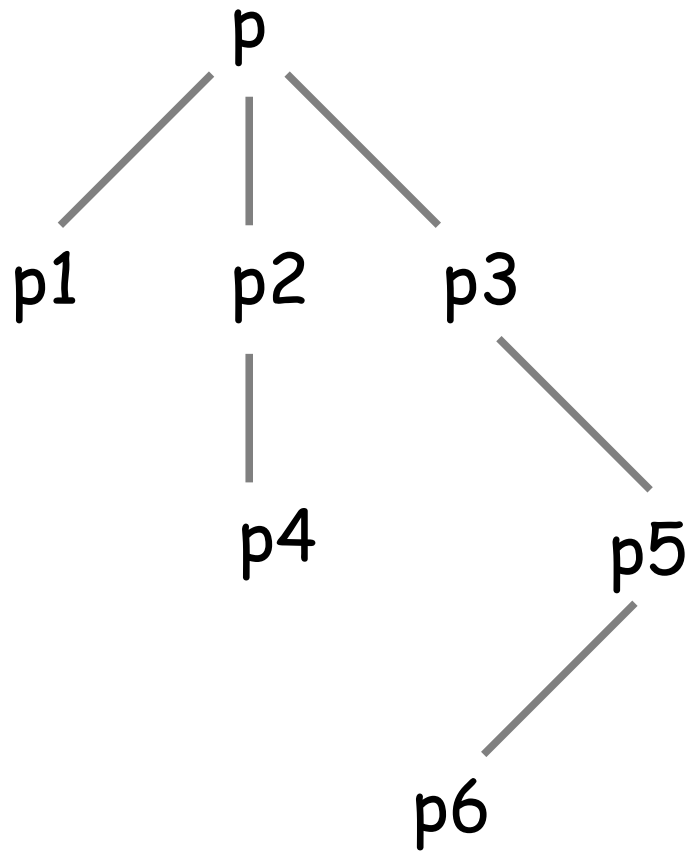


add(p5, p6, enter(p6, { }, bop1))

Bill of Products

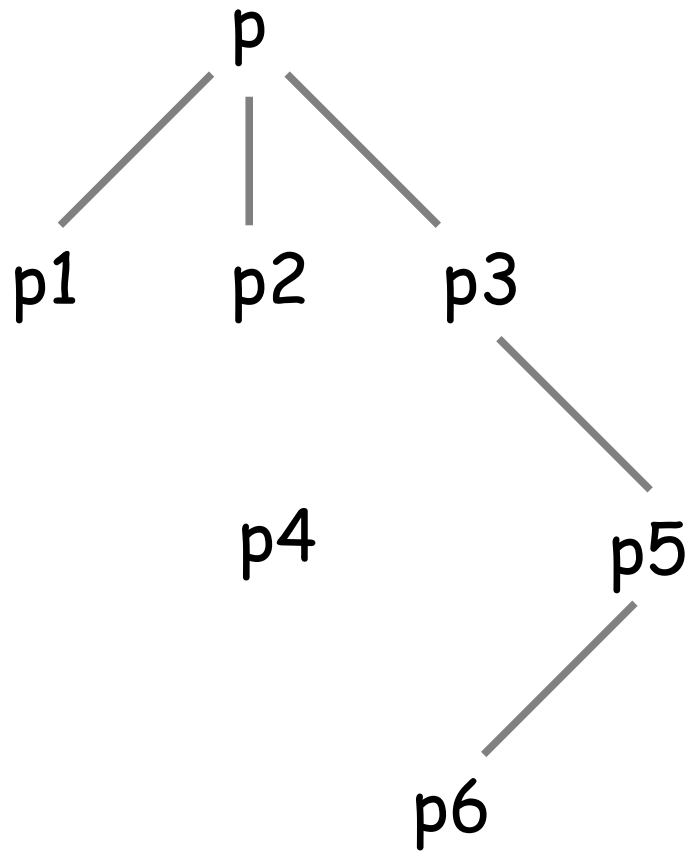


Bill of Products



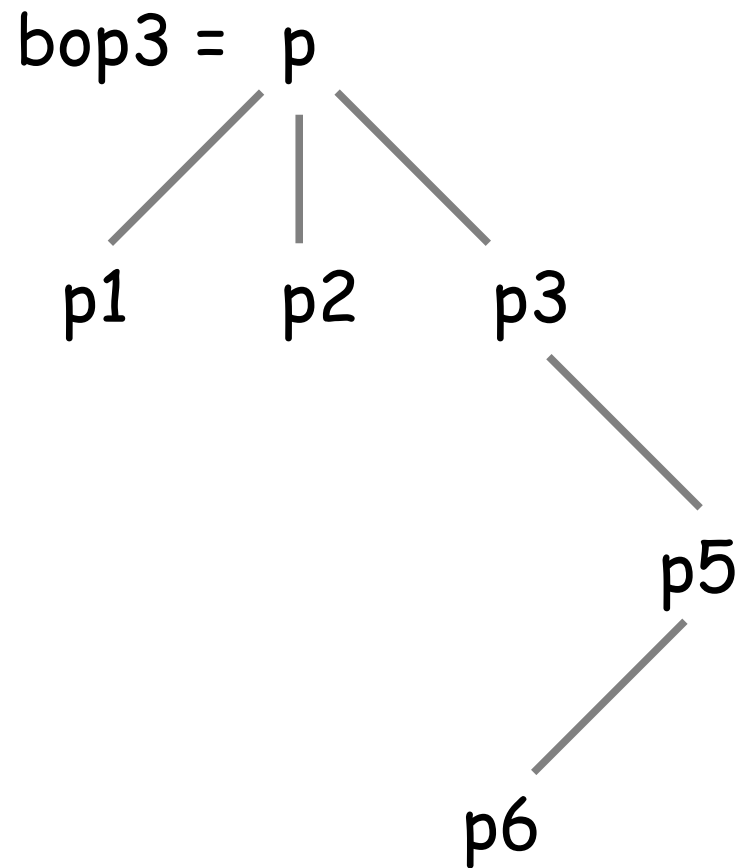
`erase(p3, p4, bop2)`

Bill of Products



`erase(p2, p4,`
`erase(p3, p4, bop2))`

Bill of Products



```
delete( p4,  
        erase( p2, p4,  
              erase( p3, p4, bop2 )))
```