

Original Program

```
...  
prod = in1 * in2  
...  
sum1 = prod + in3  
...  
*prodPtr = prod
```

Partitioning

```
...  
prod = in1 * in2  
push(prodQ, prod)  
...  
sum1 = prod + in3  
...  
*prodPtr = prod
```

Process 1

```
While(1)  
{  
  pop(prodQ, prodV)  
  push(prodQ1, prodV)  
  push(prodQ2, prodV)  
}
```

Fanout Process

```
...  
prod = in1 * in2  
pop(prodQ1, prod)  
...  
sum1 = prod + in3  
...  
*prodPtr = prod
```

Process 2

```
...  
prod = in1 * in2  
pop(prodQ2, prod)  
...  
sum1 = prod + in3  
...  
*prodPtr = prod
```

Process 3

Process Network with Fanout Process