

```
For (i=1; i<=N; i++)  
    X[i] = X[i] + Y[i]
```

*No dependency
between the Iterations*

Instructions pool

$$X[7] = X[7] + Y[7]$$

$$X[4] = X[4] + Y[4]$$

$$X[1] = X[1] + Y[1]$$

$$X[5] = X[5] + Y[5]$$

$$X[2] = X[2] + Y[2]$$

$$X[N] = X[N] + Y[N]$$

$$X[6] = X[6] + Y[6]$$

$$X[3] = X[3] + Y[3]$$

PU 0

PU 1

PU 2

Results