

```
int f( int d, int x ) {  
    if( d < 1 )  
        return small_computation( x );  
    else if( d < N )  
        sync {  
            return f( d - 1, f( d - 1, x ) );  
        }  
    else  
        return f( d - 1, f( d - 1, x ) );  
}
```