

Synthesizer

Discuss

Save

Load

Export

Search

## Program Specification: Synthesized Program

```
1 r = 0;  
2 done = 0;  
3 repeat i : 4 {  
4   if ((done == 0) and (not (x & (1 << i) == 0))) {  
5     done = 1;  
6     r = 1 << i;  
7   }  
8 }  
9 done = 1;
```

## Output

```
r = x + 0 & ~(x + 15); done = 1;  
i = 3;
```

## Program Sketch

```
1 r = (x + ??) & ~(x + ??);  
2 done = 1;  
3 i = 3;
```



# WEBSCALE Synthesizer