

```
for ( x=1 ; x<5 ; x++ )  
    printf("hi %d");
```

```
for ( ; x<1 ; x++ ) {  
    y = x;  
    z = y;  
}
```

//

[$\langle \text{for} \rangle \rightarrow \text{for} (\langle \text{ex} \rangle ; \langle \text{ex} \rangle ; \langle \text{ex} \rangle) \langle \text{stat} \rangle |$
 $\text{for} (\langle \text{ex} \rangle ; \langle \text{ex} \rangle ; \langle \text{ex} \rangle) \langle \text{block} \rangle$

$$2) L = (101)^* (00)^* 01 (01)^*$$

3) ∞

4)

| | |
|---------|--|
| 01 | |
| 0001 | |
| 0101 | |
| 10101 | |
| 000001 | |
| 000101 | |
| 010101 | |
| 1010001 | |
| 1010101 | |

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