

Assignment 3

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Problem 2:

a)

```
if <condition1> {  
    <body1>  
} if !<condition1> && <condition2> {  
    <body2>  
} if !<condition1> && !<condition2> {  
    <body3>  
}
```

b)

```
while <condition> {  
    <body>  
    break  
}
```

c)

```
var i = <left>  
while var >= <left> && var < <right> {  
    <body>  
    i++  
}
```

Problem 5:

A URM program that gets one input and “move” the value to the next register can be expressed without jump. The instructions of this program would be simple as:

T(0, 1)

Z(0)