

تقریباً متساوی

$> < \geq \leq == \sim$

yes $\rightarrow 1$
no $\rightarrow 0$

or and

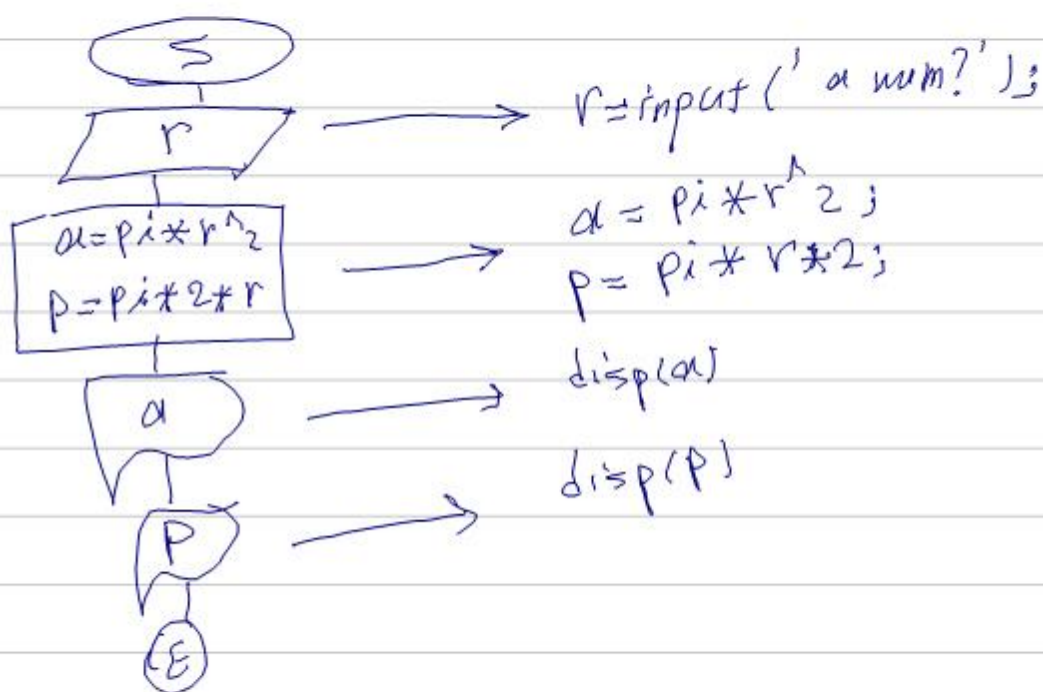
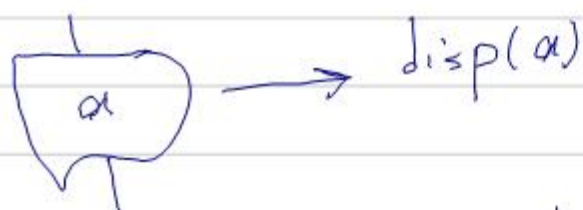
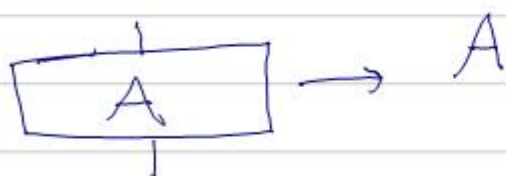
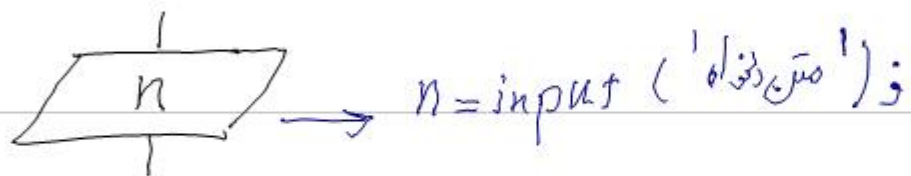
$5 > 3 \rightarrow 1$	}	$a = 2 ; b = 4 ;$
$5 == 3 \rightarrow 0$		$a > b \rightarrow 0$
$5 \sim 3 \rightarrow 1$		$a < b \rightarrow 1$
		$a \sim b \rightarrow 1$

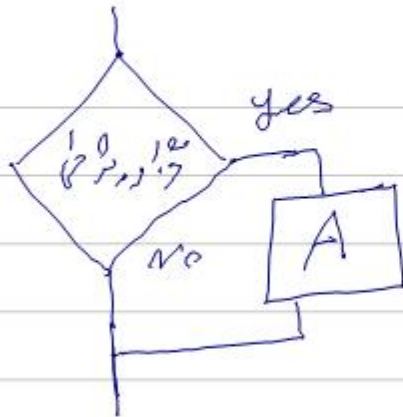
$a = 2 ; b = 4$

$a > b \mid b < 5 \rightarrow 0 \mid 1 \rightarrow \max(0, 1) = 1$

$a > b \& b < 5 \rightarrow 0 \& 1 \rightarrow \min(0, 1) = 0$

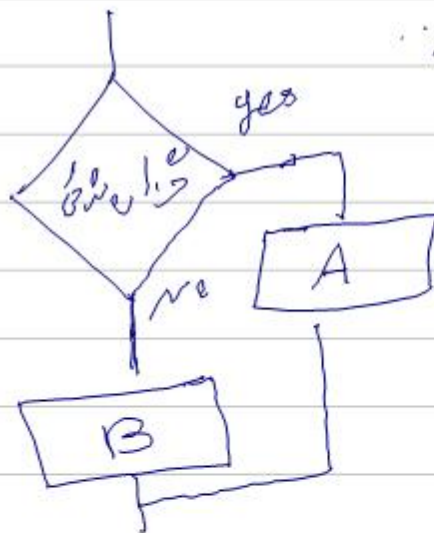
$\&\& \parallel$
 \downarrow
و یا هر دو





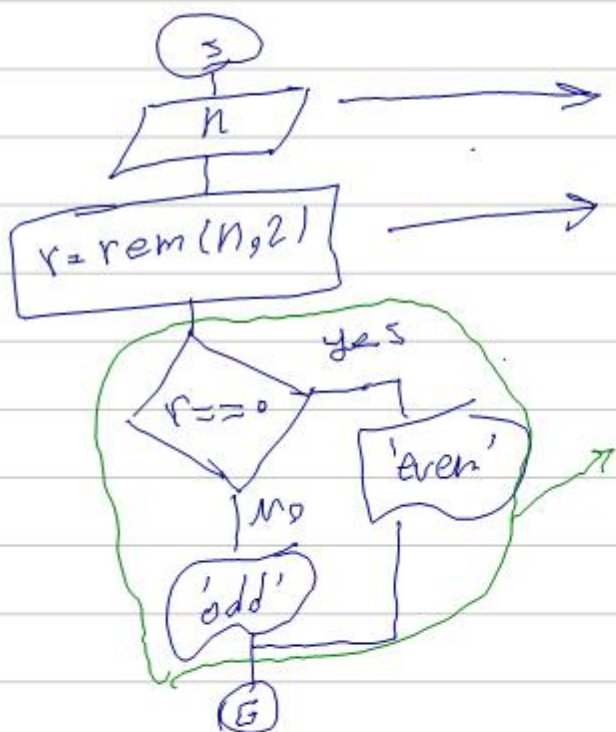
```

if %2==0
    A
end
  
```



```

if %2==0
    A
else
    B
end
  
```



```

n = input('a num? ');
  
```

```

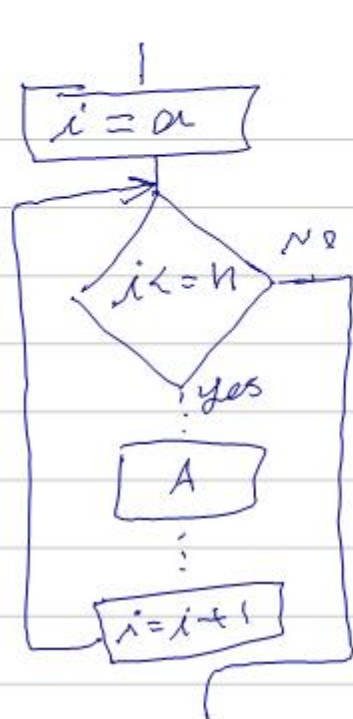
r = rem(n, 2);
  
```

```

if r == 0
    disp('even')
  
```

```

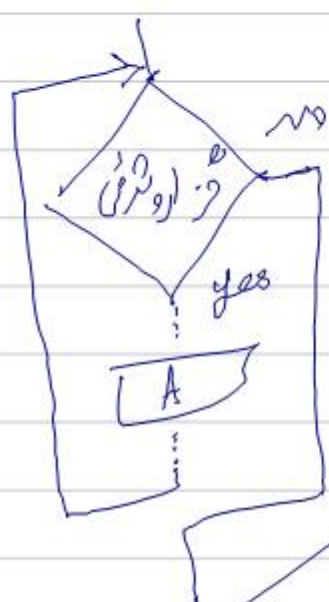
else
    disp('odd')
end
  
```



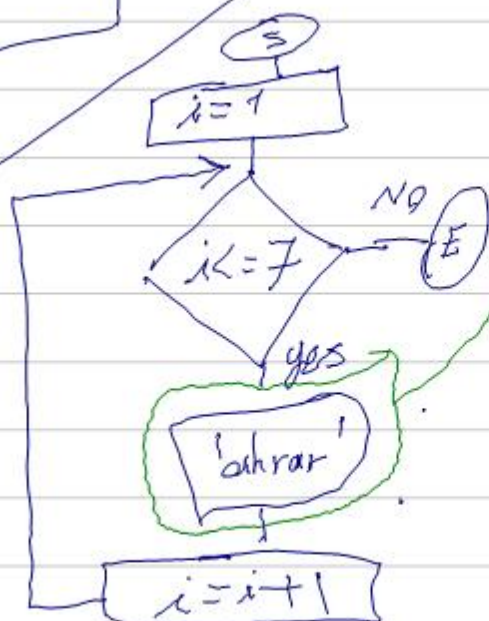
for $i = a:n$
 A
 end



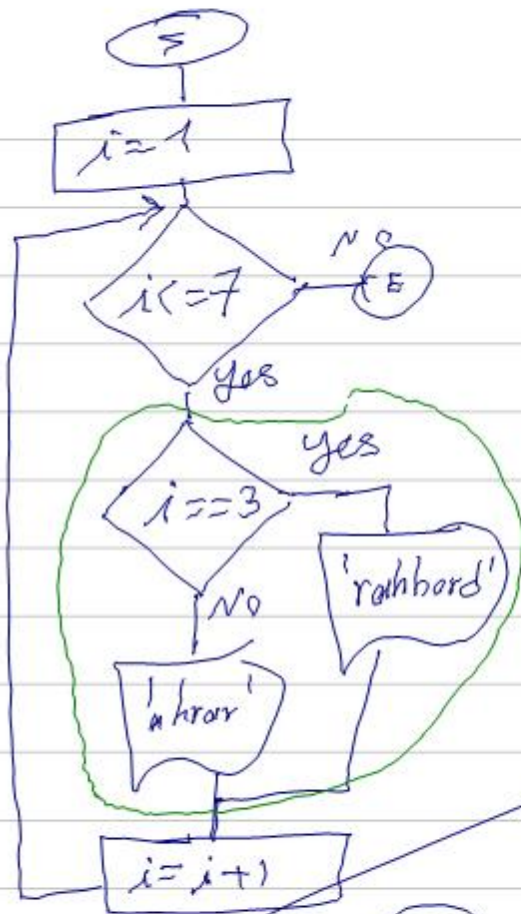
for $i = a:c:n$
 A
 end



while (P)?
 A
 end



for $i = 1:7$
 disp('chrar')
 end



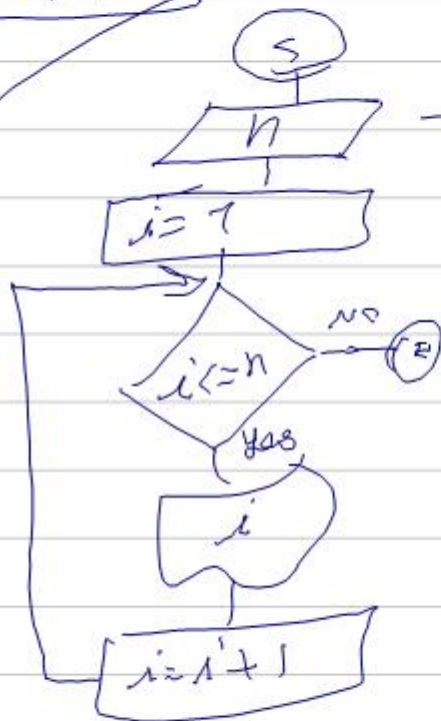
for i=1:7

```

if i==3
    disp('rahbord')
else
    disp('ahror')
end
  
```

end

نوع دیگر از حلقه for



$n = \text{input}('n?');$

```

for i=1:n
    disp(i)
  
```

end

اولی طرح از الگوریتم

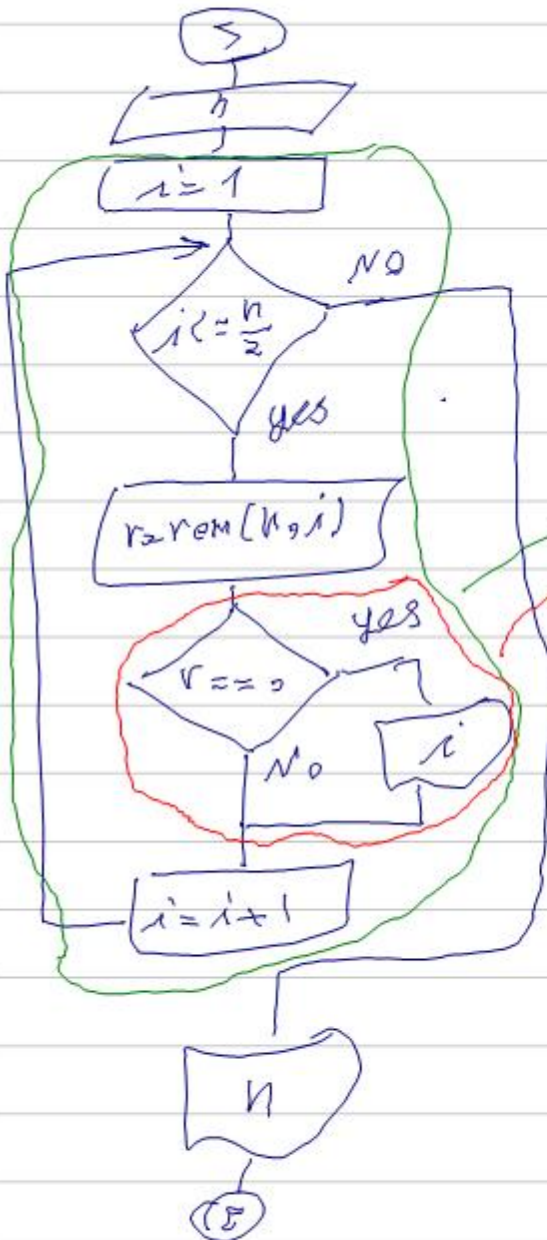


$n = \text{input}('n?');$

for $i = 2 : 2 : n$
disp(i)

end

دومین طرح از الگوریتم



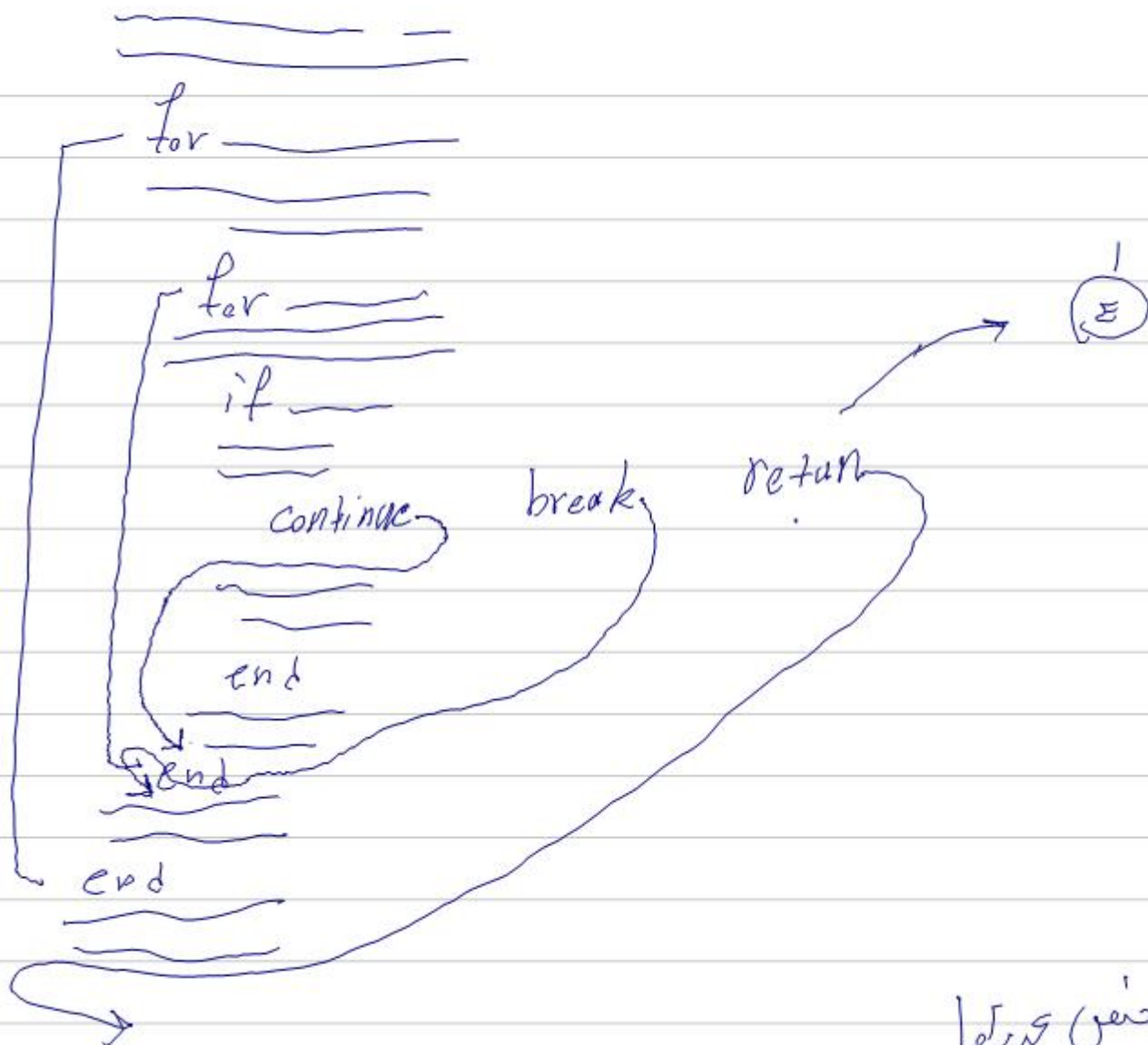
$n = \text{input}('n?');$

for $i = 1 : n/2$
 $r = \text{rem}(n, i);$

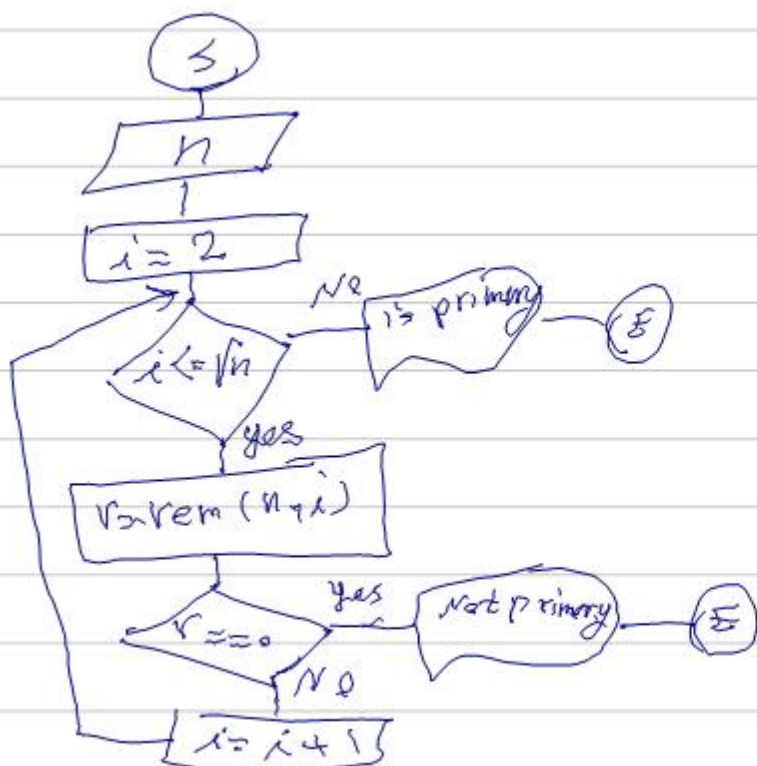
if $r == 0$
disp(i)

end

end



پرائم چیک کرنے کا



n=input('n?');

```

for i=2: n^0.5
    r=rem(n,i);
    if r==0
        disp('not prim');
        return
    end
end
disp('is prim')
  
```

$$0 \leq \text{rand} < 1$$

$$0 \leq \text{rand} * 100 < 100$$

$$\text{round}(a) \rightarrow \text{int}(a)$$

$$\text{test } 0 \leq \text{round}(\text{rand} * 100) < 100 \in \mathbb{Z}$$