INSERTION-SORT ANALIZ A={ 10, 8, 15, 3} for j=2 to J=2 do key = A[J] key = A[2] = 8 i= J-1 i = 1while iso AND A[i]>key while (i>0) and A[1]=10>8do A[i+1] = A[i]i = i - 1end While A[2] = A[1] | 8 | 10 | 15 | 3A[i+1] = key A[1]=8 J=3 key = A[3] = 15 1=3-1=2 while i=2>0 and A[2]> key=15 evet Hayir. InsSort1 Dogrulama A(3)=key=15 -> [8,10,15] Key = A[4] = 3 J=4 iain "while loop" saturna i = j - 1 = 3. 4 defa basvuru yapıldı. While loop While (i=3)>0 and A[3]> ky=3

evet 15 evet islembri 3 defa islendi. Dördünců giriste kosul saglanmaduguda (i=0 >0) $\begin{array}{c} w_2^h & A[4] = A[3] \end{array}$ dongtides arkilde. J=4 I'aih dizinin durumu 8 10 15 3 idi. A[3] = A[2] Wh4 3 bytun eleman lardan kügül oldığı i = i - 1 = 1 AND A[1]=8> key=3 evet i'ain (j-1) defa while sabitler calish. A[2]=A[1] [8 10 15 i=i-1=1-1=0, end While A[1+1]=A[1]=key [3|8|105]

end for

A =
$$\{4, 3, 2, 1\}$$
 En kitt durum

for $\bar{j} = 2$,

A[2] **, key = A[2] = 3

i= 1, while (i=1) > 0 AND A[i] = 4 / (log = 3)

while (i=1) > 0 AND A[i] = 4 / (log = 3)

instant 2 basyum

1 defa laine

girildi.

A[2] = A[3] = 2

While i = 2, A[3] = A[2] \rightarrow [4]

while i = 2, A[3] = A[2] \rightarrow [4]

while i = 2 / A[3] > key = A[3] = A[1] \rightarrow [3] \rightarrow [4]

why A[2] = A[1] \rightarrow [3] \rightarrow [4]

[3] \rightarrow [4] = 4

[4] \rightarrow [5] \rightarrow [6] \rightarrow [7]

While dengtist 3 satura 3 basyum 2 dayle icine giribi.

Why A[2] = A[1] \rightarrow [3] \rightarrow [4]

[5] \rightarrow [6] \rightarrow [6] \rightarrow [7]

While dengtist 3 satura 3 basyum 2 dayle icine giribi.

Why A[2] = A[1] \rightarrow [3] \rightarrow [4]

[6] \rightarrow [6] \rightarrow [7]

While dengtist 3 satura 3 basyum 2 dayle icine giribi.

While dengtist 3 satura 3 basyum 2 dayle icine giribi.

[6] \rightarrow [7]

While dengtist 3 satura 3 basyum 2 dayle icine giribi.

[7] \rightarrow [8] \rightarrow [8] \rightarrow [9]

[8] \rightarrow [9] \rightarrow [9]

