

$\wedge i = 1$   
 $\wedge j = 1$   
 $\wedge pc = \text{"Lbl\_1"}$   
 $\wedge max = -1$   
 $\wedge output = <<>>$

$\wedge i = 1$   
 $\wedge j = 2$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = -1$   
 $\wedge output = <<>>$

$\wedge i = 1$   
 $\wedge j = 3$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 2$   
 $\wedge output = <<>>$

$\wedge i = 1$   
 $\wedge j = 4$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 3$   
 $\wedge output = <<>>$

$\wedge i = 1$   
 $\wedge j = 5$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 4$   
 $\wedge output = <<>>$

$\wedge i = 1$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 5$   
 $\wedge output = <<>>$

$\wedge i = 2$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_1"}$   
 $\wedge max = 5$   
 $\wedge output = <<5>>$

$\wedge i = 2$   
 $\wedge j = 3$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = -1$   
 $\wedge output = <<5>>$

$\wedge i = 2$   
 $\wedge j = 4$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 3$   
 $\wedge output = <<5>>$

$\wedge i = 2$   
 $\wedge j = 5$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 4$   
 $\wedge output = <<5>>$

$\wedge i = 2$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 5$   
 $\wedge output = <<5>>$

$\wedge i = 3$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_1"}$   
 $\wedge max = 5$   
 $\wedge output = <<5, 5>>$

$\wedge i = 3$   
 $\wedge j = 4$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = -1$   
 $\wedge output = <<5, 5>>$

$\wedge i = 3$   
 $\wedge j = 5$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 4$   
 $\wedge output = <<5, 5>>$

$\wedge i = 3$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 5$   
 $\wedge output = <<5, 5>>$

$\wedge i = 4$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_1"}$   
 $\wedge max = 5$   
 $\wedge output = <<5, 5, 5>>$

$\wedge i = 4$   
 $\wedge j = 5$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = -1$   
 $\wedge output = <<5, 5, 5>>$

$\wedge i = 4$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = 5$   
 $\wedge output = <<5, 5, 5>>$

$\wedge i = 5$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_1"}$   
 $\wedge max = 5$   
 $\wedge output = <<5, 5, 5, 5>>$

$\wedge i = 5$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_2"}$   
 $\wedge max = -1$   
 $\wedge output = <<5, 5, 5, 5>>$

$\wedge i = 6$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Lbl\_1"}$   
 $\wedge max = -1$   
 $\wedge output = <<5, 5, 5, 5, -1>>$

$\wedge i = 6$   
 $\wedge j = 6$   
 $\wedge pc = \text{"Done"}$   
 $\wedge max = -1$   
 $\wedge output = <<5, 5, 5, 5, -1>>$

