1. a=5, i=1, j=1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **i++** | **a** | **i<=a** | **j++** | **j<=i** | **Print(\*)** | **New Line**  **(j=i)** | **Result** |
| 1 | 5 | True | 1 | True | \* | True | \* |
| 1 | 5 | True | 2 | False | - | - | - |
| 2 | 5 | True | 1 | True | \* | False | \*  \* |
| 2 | 5 | True | 2 | True | \* | True | \*  \*\* |
| 2 | 5 | True | 3 | False | - | - | - |
| 3 | 5 | True | 1 | True | 1 | False | \*  \*\*  \* |
| 3 | 5 | True | 2 | True | 2 | False | \*  \*\*  \*\* |
| 3 | 5 | True | 3 | True | 3 | True | \*  \*\*  \*\*\* |
| 3 | 5 | True | 4 | False | - | - | - |
| 4 | 5 | True | 1 | True | 1 | False | \*  \*\*  \*\*\*  \* |
| 4 | 5 | True | 2 | True | 2 | False | \*  \*\*  \*\*\*  \*\* |
| 4 | 5 | True | 3 | True | 3 | False | \*  \*\*  \*\*\*  \*\*\* |
| 4 | 5 | True | 4 | True | 4 | True | \*  \*\*  \*\*\*  \*\*\*\* |
| 4 | 5 | True | 5 | False | - | - | - |
| 5 | 5 | True | 1 | True | 1 | False | \*  \*\*  \*\*\*  \*\*\*\*  \* |
| 5 | 5 | True | 2 | True | 2 | False | \*  \*\*  \*\*\*\*  \*\*\*\*\*  \*\* |
| 5 | 5 | True | 3 | True | 3 | False | \*  \*\*  \*\*\*  \*\*\*\*\*  \*\*\* |
| 5 | 5 | True | 4 | True | 4 | False | \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\* |
| 5 | 5 | True | 5 | True | 5 | False | \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\*\* |
| 5 | 5 | True | 6 | False | - | - | - |
| 6 | 5 | False | 1 | - | - | - | - |

1. a=5, i=a, j=1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **i--** | **a** | **i>=1** | **j++** | **j<=i** | **Print(\*)** | **Newline**  **(j=i)** | **Result** |
| 5 | 5 | True | 1 | True | \* | False | \* |
| 5 | 5 | True | 2 | True | \* | False | \*\* |
| 5 | 5 | True | 3 | True | \* | False | \*\*\* |
| 5 | 5 | True | 4 | True | \* | False | \*\*\*\* |
| 5 | 5 | True | 5 | True | \* | True | \*\*\*\*\* |
| 5 | 5 | True | 6 | False | - | - | - |
| 4 | 5 | True | 1 | True | \* | False | \*\*\*\*\*  \* |
| 4 | 5 | True | 2 | True | \* | False | \*\*\*\*\*  \*\* |
| 4 | 5 | True | 3 | True | \* | False | \*\*\*\*\*  \*\*\* |
| 4 | 5 | True | 4 | True | \* | True | \*\*\*\*\*  \*\*\*\* |
| 4 | 5 | True | 5 | False | - | - | - |
| 3 | 5 | True | 1 | True | \* | False | \*\*\*\*\*  \*\*\*\*  \* |
| 3 | 5 | True | 2 | True | \* | False | \*\*\*\*\*  \*\*\*\*  \*\* |
| 3 | 5 | True | 3 | True | \* | True | \*\*\*\*\*  \*\*\*\*  \*\*\* |
| 3 | 5 | True | 4 | False | - | - | - |
| 2 | 5 | True | 1 | True | \* | False | \*\*\*\*\*  \*\*\*\*  \*\*\*  \* |
| 2 | 5 | True | 2 | True | \* | True | \*\*\*\*\*  \*\*\*\*  \*\*\*  \*\* |
| 2 | 5 | True | 3 | False | - | - | - |
| 1 | 5 | True | 1 | True | \* | False | \*\*\*\*\*  \*\*\*\*  \*\*\*  \*\*  \* |
| 1 | 5 | True | 2 | False | - | - | - |
| 0 | 5 | False | 1 | - | - | - | - |

1. a=5, spasi / (“ ”) diubah menjadi (“-”) agar dapat terlihat

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a | b++ | b<=a | c-- | c>=b | “-” | d++ | d<=b | (\*) | e++ | e<=(b-1) | Print(\*) | Result |
| 5 | 1 | T | 4 | T | “-” | 1 | T | \* | 1 | F |  | -\* |
| 5 | 1 | T | 3 | T | “-” | 2 | F |  | 2 | F |  | --\* |
| 5 | 1 | T | 2 | T | “-” | 3 | F |  | 3 | F |  | ---\* |
| 5 | 1 | T | 1 | T | “-” | 4 | F |  | 4 | F |  | ----\* |
| 5 | 1 | T | 1 | F |  | 5 | F |  | 4 | F |  | ----\* |
| 5 | 2 | T | 4 | T | “-” | 1 | T | \* | 1 | T | \* | ----\*  -\*\* |
| 5 | 2 | T | 3 | T | “-” | 2 | T | \* | 2 | F |  | ----\*  --\*\*\* |
| 5 | 2 | T | 2 | T | “-” | 3 | F |  | 3 |  |  | ----\*  ---\*\*\* |
| 5 | 2 | T | 1 | F |  | 4 | F |  | 4 | F |  | ----\*  ---\*\*\* |
| 5 | 2 | T | 1 | F |  | 5 | F |  | 4 | F |  | ----\*  ---\*\*\* |
| 5 | 3 | T | 4 | T | “-” | 1 | T | \* | 1 | T | \* | ----\*  ---\*\*\*  -\*\* |
| 5 | 3 | T | 3 | T | “-” | 2 | T | \* | 2 | T | \* | ----\*  ---\*\*\*  --\*\*\*\* |
| 5 | 3 | T | 2 | F |  | 3 | T | \* | 3 | F |  | ----\*  ---\*\*\*  --\*\*\*\*\* |
| 5 | 3 | T | 1 | F |  | 4 | F |  | 4 | F |  | ----\*  ---\*\*\*  --\*\*\*\*\* |
| 5 | 3 | T | 1 | F |  | 5 | F |  | 4 | F |  | ----\*  ---\*\*\*  --\*\*\*\*\* |
| 5 | 4 | T | 4 | T | “-” | 1 | T | \* | 1 | T | \* | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\* |
| 5 | 4 | T | 3 | F |  | 2 | T | \* | 2 | T | \* | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\* |
| 5 | 4 | T | 2 | F |  | 3 | T | \* | 3 | T | \* | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\*\*\* |
| 5 | 4 | T | 1 | F |  | 4 | T | \* | 4 | F |  | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\*\*\*\* |
| 5 | 5 | T | 4 | F |  | 1 | T | \* | 1 | T | \* | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\*\*\*\*  \*\* |
| 5 | 5 | T | 3 | F |  | 2 | T | \* | 2 | T | \* | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\*\*\*\*  \*\*\*\* |
| 5 | 5 | T | 2 | F |  | 3 | T | \* | 3 | T | \* | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\*\*\*\*  \*\*\*\*\*\* |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 5 | T | 1 | F |  | 4 | T | \* | 4 | T | \* | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\*\*\*\*  \*\*\*\*\*\*\*\* |
| 5 | 5 | T | 1 | F |  | 5 | T | \* | 5 | F |  | ----\*  ---\*\*\*  --\*\*\*\*\*  -\*\*\*\*\*\*\*  \*\*\*\*\*\*\*\*\* |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **I++** | **i<=a** | **J++** | **J<=i** | **\*** | **ln**  **(J=i)** | **K--** | **k>=1** | **M++** | **M<=k** | **\*** | **Ln**  **(m=k)** | **Result** |
| 3 | 1 | T | 1 | T | \* | T |  |  |  |  |  |  | \* |
| 3 | 2 | T | 1 | T | \* | F |  |  |  |  |  |  | \*  \* |
| 3 | 2 | T | 2 | T | \* | T |  |  |  |  |  |  | \*  \*\* |
| 3 | 3 | T | 1 | T | \* | F |  |  |  |  |  |  | \*  \*\*  \* |
| 3 | 3 | T | 2 | T | \* | F |  |  |  |  |  |  | \*  \*\*  \*\* |
| 3 | 3 | T | 3 | T | \* | T |  |  |  |  |  |  | \*  \*\*  \*\*\* |
|  |  |  |  |  |  |  | 2 | T | 1 | T | \* | F | \*  \*\*  \*\*\*  \* |
|  |  |  |  |  |  |  | 2 | T | 2 | T | \* | T | \*  \*\*  \*\*\*  \*\* |
|  |  |  |  |  |  |  | 1 | T | 1 | T | \* | T | \*  \*\*  \*\*\*  \*\*  \* |
|  |  |  |  |  |  |  | 0 | F | 1 | F |  |  | \*  \*\*  \*\*\*  \*\*  \* |

1. a=3, k=a-1;