Draw PDA for the following language

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a | a | a | b | b | Δ |

Tape

Stack

|  |
| --- |
| a |
| a |
| a |
| Δ |

Start

Push a

Read

Pop

Read

Pop A TAPE HEAD that can in one step read the contents of a cell on the TAPE, replace it with some other character, and reposition itself to the next cell to the right or to the left of the one it has just read. At the start of the processing, the TAPE HEAD always begins by reading the input in cell i. The TAPE HEAD can never move left from cell i. If it is given orders to do so, the machine crashes.

Reject

a Δ

b b

a Δ

b, Δ a a b, Δ

Reject

Accept

Pop A TAPE HEAD that can in one step read the contents of a cell on the TAPE, replace it with some other character, and reposition itself to the next cell to the right or to the left of the one it has just read. At the start of the processing, the TAPE HEAD always begins by reading the input in cell i. The TAPE HEAD can never move left from cell i. If it is given orders to do so, the machine crashes.

Reject

Reject

Reject

∆ a,b

Draw PDA for the following language

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a | a | b | b | b | Δ |

Tape

Stack

|  |
| --- |
| a |
| a |
| Δ |

Start

Push a

Read

Pop

Read

Reject

a Δ

b b

Reject

a Δ

a

Reject

∆ b

Read

a,b

∆

Accept

Draw PDA for the following language

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| a | a | b | b | b | b | Δ |

Tape

Stack

|  |
| --- |
| a |
| a |
| Δ |

Start

Push a

Read

Read

Pop

Reject

a Δ

Read

b a

b

b

Read

∆ b

a,∆

∆

b

Reject

pop

∆

Reject

Accept