Next State Actions

| Lbl_3 | Lbl_1 | Lbl_2 | Terminating |

State 1 (initial):
∧ input2Set = {}
∧ input1Set = {}
∧ i = 1
∧ j = 1
∧ pc = "Lbl_1"
∧ output = <<>>

∧ input2Set = {}
∧ input1Set = {1}
∧ i = 2
∧ j = 1
∧ pc = "Lbl_1"
∧ output = <<>>

∧ input2Set = {}
∧ input1Set = {1, 2}
∧ i = 3
∧ j = 1
∧ pc = "Lbl_1"
∧ output = <<>>

∧ input2Set = {}
∧ input1Set = {1, 2}
∧ i = 4
∧ j = 1
∧ pc = "Lbl_1"
∧ output = <<>>

∧ input2Set = {}
∧ input1Set = {1, 2}
∧ i = 5
∧ j = 1
∧ pc = "Lbl_1"
∧ output = <<>>

∧ input2Set = {}
∧ input1Set = {1, 2}
∧ i = 5
∧ j = 1
∧ pc = "Lbl_2"
∧ output = <<>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 5
∧ j = 2
∧ pc = "Lbl_2"
∧ output = <<>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 5
∧ j = 3
∧ pc = "Lbl_2"
∧ output = <<>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 1
∧ j = 1
∧ pc = "Lbl_3"
∧ output = <<>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 2
∧ j = 1
∧ pc = "Lbl_3"
∧ output = <<>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 3
∧ j = 1
∧ pc = "Lbl_3"
∧ output = <<2>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 4
∧ j = 1
∧ pc = "Lbl_3"
∧ output = <<2, 2>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 5
∧ j = 1
∧ pc = "Lbl_3"
∧ output = <<2, 2>>

∧ input2Set = {2}
∧ input1Set = {1, 2}
∧ i = 5
∧ j = 1
∧ pc = "Done"
∧ output = <<2, 2>>