**Testcase 1:**

tc1\_armyknights:

1

20 2 5 999 0

tc1\_events:

10

95 96 97 98 1 98 97 96 95 99

Output:

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=5;PhoenixI,PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:0;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=5;PhoenixI,PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=5;PhoenixI,PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=5;PhoenixI,PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;PhoenixI,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

WIN

**Testcase 2:**

tc1\_armyknights:

1

500 5 0 899 0

tc1\_events:

6

1 95 96 97 98 99

Output:

No. knights: 1;[Knight:id:1,hp:500,maxhp:500,level:5,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:0;LancelotSpear:0;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:500,maxhp:500,level:5,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:0;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:500,maxhp:500,level:5,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:500,maxhp:500,level:5,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:500,maxhp:500,level:5,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:500,maxhp:500,level:5,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

WIN

**Testcase3:**

tc1\_armyknights:

2

100 3 3 100 0

20 2 3 700 1

tc1\_events:

10

95 96 97 7 1 98 112 113 114 99

Output:

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:700,Bag[count=4;Antidote,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:0;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:700,Bag[count=4;Antidote,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:700,Bag[count=4;Antidote,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;Antidote,PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:999,Bag[count=3;Antidote,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:999,Bag[count=3;Antidote,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:999,Bag[count=4;PhoenixII,Antidote,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:999,Bag[count=5;PhoenixIII,PhoenixII,Antidote,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:999,Bag[count=6;PhoenixIV,PhoenixIII,PhoenixII,Antidote,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 2;[Knight:id:2,hp:20,maxhp:20,level:2,gil:999,Bag[count=6;PhoenixIV,PhoenixIII,PhoenixII,Antidote,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

WIN

**Testcase4:**

tc1\_armyknights:

1

149 2 0 700 0

tc1\_events:

13

95 96 1 7 1 97 98 1 8 112 113 114 99

Output:

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:700,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:0;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:700,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:129,maxhp:149,level:2,gil:700,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:129,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:89,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:89,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:89,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:19,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:48,maxhp:149,level:2,gil:949,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:48,maxhp:149,level:2,gil:949,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:85,maxhp:149,level:2,gil:949,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:85,maxhp:149,level:2,gil:949,Bag[count=2;PhoenixIV,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:85,maxhp:149,level:2,gil:949,Bag[count=2;PhoenixIV,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

WIN

**Testcase5:**

tc1\_armyknights:

1

149 2 0 700 0

tc1\_events:

13

95 96 97 7 1 1 98 1 8 112 113 114 99

Output:

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:700,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:0;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:700,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:700,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:109,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:59,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:59,maxhp:149,level:2,gil:999,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:74,maxhp:149,level:2,gil:899,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:74,maxhp:149,level:2,gil:899,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:74,maxhp:149,level:2,gil:899,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:74,maxhp:149,level:2,gil:899,Bag[count=2;PhoenixIII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:74,maxhp:149,level:2,gil:899,Bag[count=3;PhoenixIV,PhoenixIII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:74,maxhp:149,level:2,gil:899,Bag[count=3;PhoenixIV,PhoenixIII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

WIN

Testcase6:

tc1\_armyknights:

1

149 2 3 700 0

tc1\_events:

17

95 96 6 112 113 7 97 1 1 98 1 8 9 112 113 114 99

Output:

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:700,Bag[count=3;PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:0;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:700,Bag[count=3;PhoenixI,PhoenixI,PhoenixI],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:139,maxhp:149,level:2,gil:700,Bag[count=0;],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:139,maxhp:149,level:2,gil:700,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:139,maxhp:149,level:2,gil:700,Bag[count=2;PhoenixIII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:139,maxhp:149,level:2,gil:350,Bag[count=2;PhoenixIII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:0;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:139,maxhp:149,level:2,gil:350,Bag[count=2;PhoenixIII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:69,maxhp:149,level:2,gil:350,Bag[count=2;PhoenixIII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:49,maxhp:149,level:2,gil:350,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:0

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:49,maxhp:149,level:2,gil:350,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:49,maxhp:149,level:2,gil:450,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:49,maxhp:149,level:2,gil:450,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:450,Bag[count=1;PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:450,Bag[count=2;PhoenixII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:450,Bag[count=3;PhoenixIII,PhoenixII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:450,Bag[count=4;PhoenixIV,PhoenixIII,PhoenixII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

No. knights: 1;[Knight:id:1,hp:149,maxhp:149,level:2,gil:450,Bag[count=4;PhoenixIV,PhoenixIII,PhoenixII,PhoenixII],knight\_type:NORMAL];PaladinShield:1;LancelotSpear:1;GuinevereHair:1;ExcaliburSword:1

--------------------------------------------------

WIN