Standard (unidirectional) GS algorithm

1st round (students)

Students (proposers)

	5	4	3	2	1
A	L	M	N	O	P
B	O	P	L	N	M
C	P	O	L	M	N
D	L	N	O	M	P
E	M	N	O	P	L

Firms (acceptors)

	5	4	3	2	1
L	A	D	B	E	C
M	C	E	B	D	A
N	A	D	C	B	E
O	C	A	D	B	E
P	B	C	D	A	E

Proposal Table

L	
M	
N	
O	
P	

Explanation

	offer sent
	offer received
	match
	offer rejected / withdrawn

Standard (unidirectional) GS algorithm

1st round (students)

- students A, B, C, D and E send offers to firms L, M, O and P

Students (proposers)

	5	4	3	2	1
A	L	M	N	O	P
B	O	P	L	N	M
C	P	O	L	M	N
D	L	N	O	M	P
E	M	N	O	P	L

Firms (acceptors)

	5	4	3	2	1
L	A	D	B	E	C
M	C	E	B	D	A
N	A	D	C	B	E
O	C	A	D	B	E
P	B	C	D	A	E

Proposal Table

L	A,D
M	E
N	
O	B
P	C

Explanation

	offer sent
	offer received
	match
	offer rejected / withdrawn

Standard (unidirectional) GS algorithm

2nd round (firms)

- firm L accepts A and rejects D

Students (proposers)

	5	4	3	2	1
A	L	M	N	O	P
B	O	P	L	N	M
C	P	O	L	M	N
D	L	N	O	M	P
E	M	N	O	P	L

Firms (acceptors)

	5	4	3	2	1
L	A	D	B	E	C
M	C	E	B	D	A
N	A	D	C	B	E
O	C	A	D	B	E
P	B	C	D	A	E

Proposal Table

L	
M	
N	
O	
P	

Explanation

	offer sent
	offer received
	match
	offer rejected / withdrawn

Standard (unidirectional) GS algorithm

3rd round (students)

- student D is informed about the refusal of L and send a new offer to N

Students (proposers)

	5	4	3	2	1
A	L	M	N	O	P
B	O	P	L	N	M
C	P	O	L	M	N
D	L	N	O	M	P
E	M	N	O	P	L

Firms (acceptors)

	5	4	3	2	1
L	A	D	B	E	C
M	C	E	B	D	A
N	A	D	C	B	E
O	C	A	D	B	E
P	B	C	D	A	E

Proposal Table

L	
M	
N	D
O	
P	

Explanation

	offer sent
	offer received
	match
	offer rejected / withdrawn

Standard (unidirectional) GS algorithm

FINISHED!

- since all firms do not receive better offers from students, the algorithm ends!

Students (proposers)

	5	4	3	2	1
A	L	M	N	O	P
B	O	P	L	N	M
C	P	O	L	M	N
D	L	N	O	M	P
E	M	N	O	P	L

Firms (acceptors)

	5	4	3	2	1
L	A	D	B	E	C
M	C	E	B	D	A
N	A	D	C	B	E
O	C	A	D	B	E
P	B	C	D	A	E

Matching Table

A	L
B	O
C	P
D	N
E	M

sum of preferences of all players
=
43

10
7
9
8
9

Explanation

	offer sent
	offer received
	match
	offer rejected / withdrawn