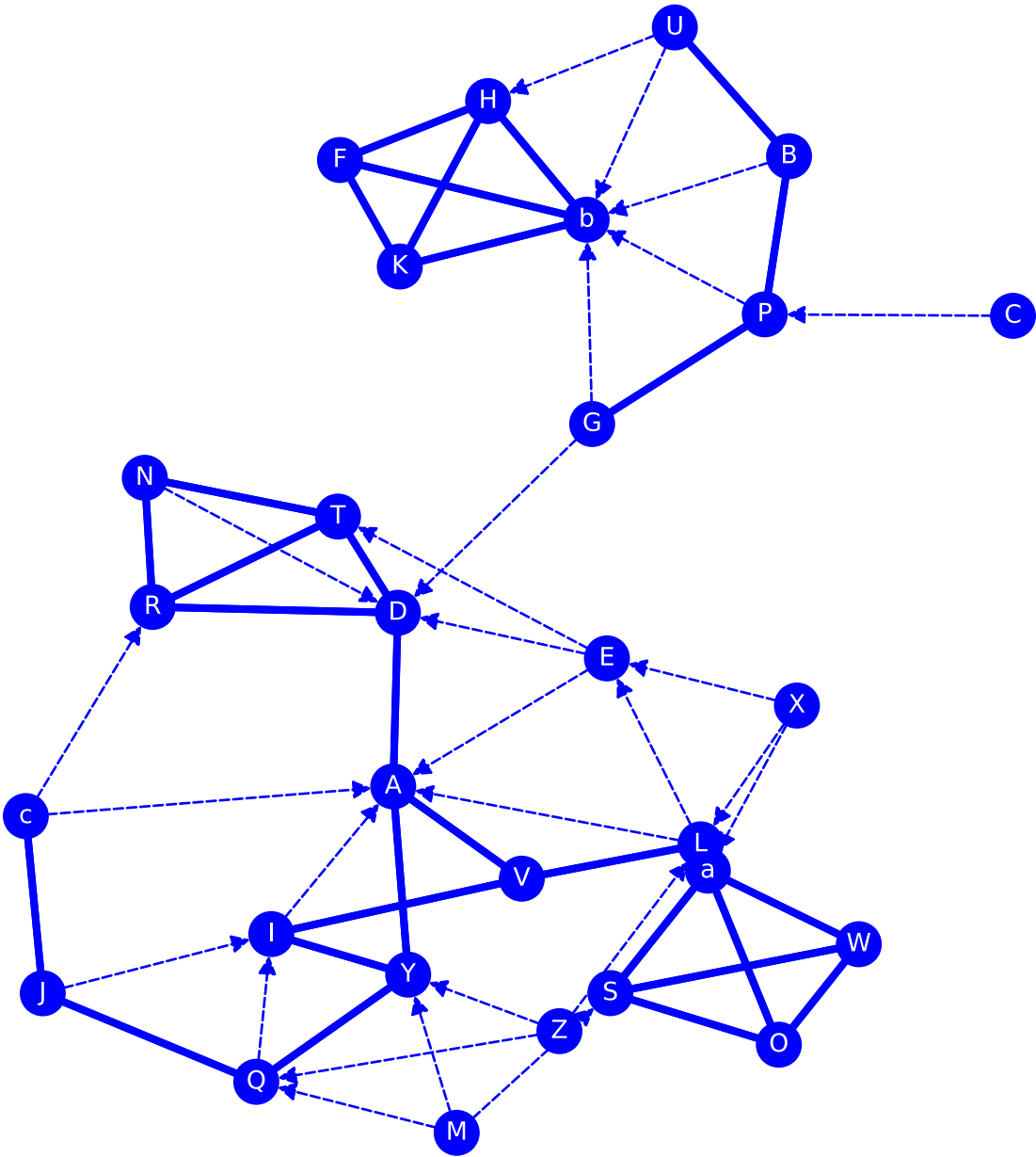# AB GRID

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sna_graph GROUP 1 - DEMO 2 **SNA NETWORK GRAPH**

A. Who would you choose to spend a free time outing with?

NN 29, **NE** 85, **ND** 10%, **NC** 12%, **NT** 58%, **NR** 68%

NN Nodes **NE** Edges **ND** Density **NC** Centralization **NT** Transitivity **NR** Reciprocity

sna_raw_scores GROUP 1 - DEMO 2   **SNA RAW SCORES**

A. Who would you choose to spend a free time outing with?

ID	CHOICES	IC	PR	BT	CL	HU	ND
A	D, V, Y	0.25	0.08	0.15	0.35	0.05	
B	P, U, b	0.07	0.01	0.02	0.10	0.02	
C	P	0.00	0.01	0.00	0.00	0.01	←
D	A, R, T	0.21	0.08	0.14	0.34	0.07	
E	A, D, T	0.07	0.01	0.02	0.17	0.08	
F	b, H, K	0.11	0.06	0.00	0.16	0.02	
G	D, P, b	0.04	0.01	0.07	0.07	0.04	
H	b, F, K	0.14	0.06	0.00	0.18	0.02	
I	A, V, Y	0.14	0.04	0.02	0.23	0.06	
J	I, Q, c	0.07	0.02	0.03	0.17	0.03	
K	b, F, H	0.11	0.06	0.00	0.16	0.02	
L	A, V, E	0.11	0.02	0.04	0.21	0.05	
M	Y, Q, S	0.00	0.01	0.00	0.00	0.03	←
N	D, R, T	0.07	0.04	0.00	0.21	0.06	
O	S, W, a	0.11	0.04	0.00	0.13	0.01	
P	B, b, G	0.11	0.02	0.07	0.11	0.02	
Q	Y, I, J	0.14	0.03	0.05	0.22	0.04	
R	D, T, N	0.14	0.06	0.02	0.26	0.05	
S	O, W, a	0.14	0.04	0.00	0.15	0.01	
T	D, R, N	0.14	0.06	0.01	0.27	0.05	
U	B, b, H	0.04	0.01	0.00	0.06	0.02	
V	A, I, L	0.11	0.05	0.05	0.26	0.05	
W	S, O, a	0.11	0.04	0.00	0.13	0.01	
X	E, L, a	0.00	0.01	0.00	0.00	0.02	←
Y	A, I, Q	0.18	0.05	0.08	0.27	0.05	
Z	Y, Q, L	0.00	0.01	0.00	0.00	0.03	←
a	S, O, W	0.14	0.04	0.00	0.15	0.01	
b	F, H, K	0.25	0.07	0.02	0.25	0.02	
c	A, R, J	0.04	0.01	0.01	0.14	0.06	

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

sna_ranks GROUP 1 - DEMO 2   **SNA RANK SCORES**

A. Who would you choose to spend a free time outing with?

ID	CHOICES	IC	PR	BT	CL	HU	ND
A	D, V, Y	1	1	1	1	7	
B	P, U, b	6	21	10	19	20	
C	P	8	25	20	22	27	←
D	A, R, T	2	2	2	2	2	
E	A, D, T	6	20	12	13	1	
F	b, H, K	5	6	20	14	17	
G	D, P, b	7	22	4	20	12	
H	b, F, K	4	4	18	11	19	
I	A, V, Y	4	11	11	7	4	
J	I, Q, c	6	19	9	12	16	
K	b, F, H	5	5	20	14	17	
L	A, V, E	5	17	8	10	11	
M	Y, Q, S	8	25	20	22	15	←
N	D, R, T	6	15	20	9	3	
O	S, W, a	5	14	20	17	24	
P	B, b, G	5	18	5	18	21	
Q	Y, I, J	4	16	7	8	13	
R	D, T, N	4	8	14	5	8	
S	O, W, a	4	13	17	15	26	
T	D, R, N	4	7	15	4	9	
U	B, b, H	7	24	19	21	18	
V	A, I, L	5	10	6	5	10	
W	S, O, a	5	14	20	17	24	
X	E, L, a	8	25	20	22	23	←
Y	A, I, Q	3	9	3	3	6	
Z	Y, Q, L	8	25	20	22	14	←
a	S, O, W	4	12	17	15	25	
b	F, H, K	1	3	13	6	22	
c	A, R, J	7	23	16	16	5	

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closeness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄) ■ Very low ■ Low ■ High ■ Very high

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sna_rankings GROUP 1 - DEMO 2

A. Who would you choose to spend a free time outing with?

RANK	IC	RANK	PR	RANK	BT	RANK	CL	RANK	HU
1	A	1	A	1	A	1	A	1	E
1	b	2	D	2	D	2	D	2	D
2	D	3	b	3	Y	3	Y	3	N
3	Y	4	H	4	G	4	T	4	I
4	H	5	K	5	P	5	R	5	c
4	I	6	F	6	V	5	V	6	Y
4	Q	7	T	7	Q	6	b	7	A
4	R	8	R	8	L	7	I	8	R
4	S	9	Y	9	J	8	Q	9	T
4	T	10	V	10	B	9	N	10	V
4	a	11	I	11	I	10	L	11	L
5	F	12	a	12	E	11	H	12	G
5	K	13	S	13	b	12	J	13	Q
5	L	14	O	14	R	13	E	14	Z
5	O	14	W	15	T	14	F	15	M
5	P	15	N	16	c	14	K	16	J
5	V	16	Q	17	S	15	S	17	F
5	W	17	L	17	a	15	a	17	K
6	B	18	P	18	H	16	c	18	U
6	E	19	J	19	U	17	O	19	H
6	J	20	E	20	C	17	W	20	B
6	N	21	B	20	F	18	P	21	P
7	G	22	G	20	K	19	B	22	b
7	U	23	c	20	M	20	G	23	X
7	c	24	U	20	N	21	U	24	O
8	C	25	C	20	O	22	C	24	W
8	M	25	M	20	W	22	M	25	a
8	X	25	X	20	X	22	X	26	S
8	Z	25	Z	20	Z	22	Z	27	C

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub

sna_edges_types GROUP 1 - DEMO 2　　　　　　　　　　　　　　**SNA EDGES GROUPED BY TYPE**

A. Who would you choose to spend a free time outing with?

Non reciprocal edges

X → Y in network A · not Y → X in network A

B b   C P   E A   E D   E T   G D   G b   I A   J I   L A   L E   M Q   M S   M Y   N D   P b   Q I   U H   U b

X E   X L   X a   Z L   Z Q   Z Y   c A   c R

Reciprocal edges

X → Y in network A · Y → X in network A

A D   A V   A Y   B P   B U   D R   D T   F H   F K   F b   G P   H K   H b   I V   I Y   J Q   J c   K b   L V

N R   N T   O S   O W   O a   Q Y   R T   S W   S a   W a

Half symmetrical edges

X → Y in network A · X → Y in network B

D R   G b   M Q   N R   N T   O S   O W   P b   U b

Reversed half symmetrical edges

X → Y in network A · Y → X in network B

E A   H F   H K   J c   Q I   R D   R N   S O   S a   T N   T R   W O   W a   Z Y   a O   b F   b H   b K

Full symmetrical edges

X → Y, Y → X in network A · X → Y, Y → X in network B

F H   F b   H b   K b   O a   R T

sna_components GROUP 1 - DEMO 2   **SNA COMPONENTS**

A. Who would you choose to spend a free time outing with?

Connected components
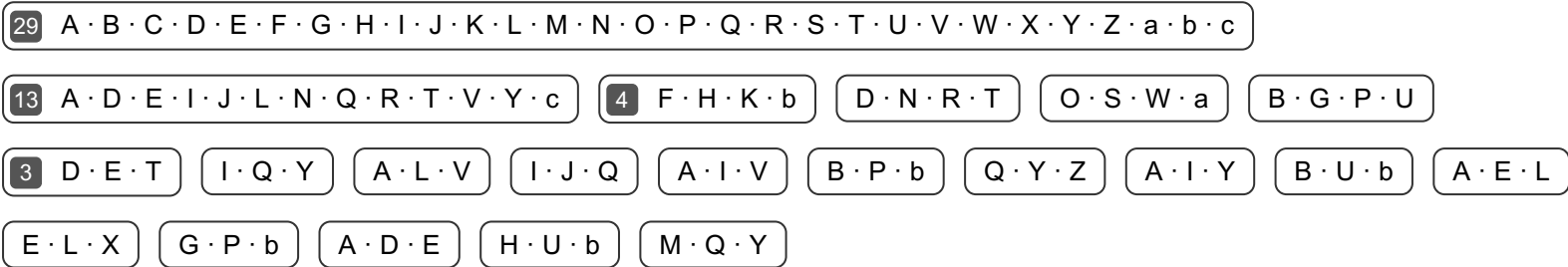
| 29 | A · B · C · D · E · F · G · H · I · J · K · L · M · N · O · P · Q · R · S · T · U · V · W · X · Y · Z · a · b · c |

| 13 | A · D · E · I · J · L · N · Q · R · T · V · Y · c | | 4 | F · H · K · b | D · N · R · T | O · S · W · a | B · G · P · U |

| 3 | D · E · T | I · Q · Y | A · L · V | I · J · Q | A · I · V | B · P · b | Q · Y · Z | A · I · Y | B · U · b | A · E · L |

  E · L · X   G · P · b   A · D · E   H · U · b   M · Q · Y

sna_graph GROUP 1 - DEMO 2

B. Who would you choose to organize a study group?

NN 29, **NE** 81, **ND** 10%, **NC** 31%, **NT** 32%, **NR** 25%
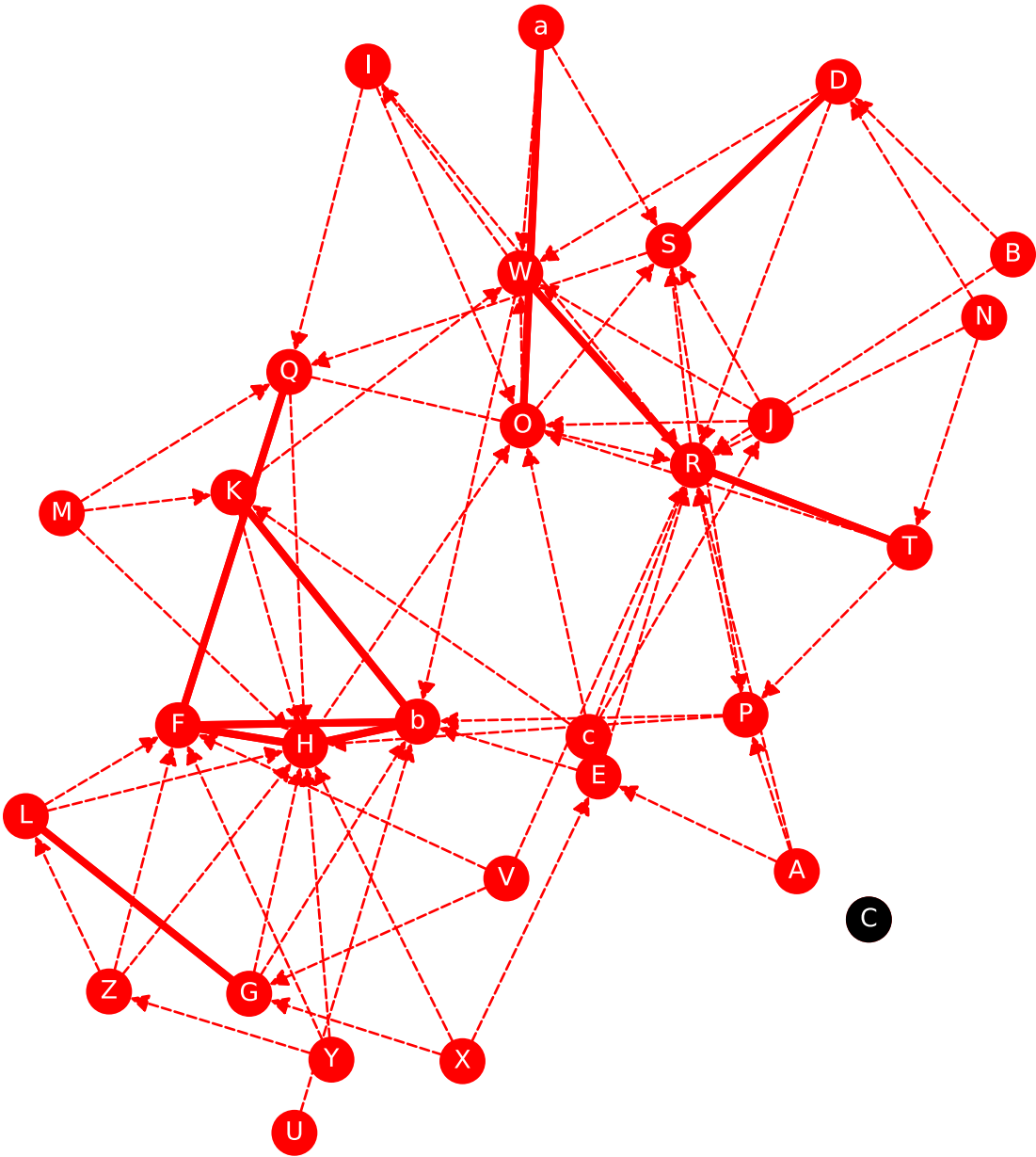
NN Nodes **NE** Edges **ND** Density **NC** Centralization **NT** Transitivity **NR** Reciprocity

B. Who would you choose to organize a study group?

ID	CHOICES	IC	PR	BT	CL	HU	ND
A	E, P, R	0.00	0.01	0.00	0.00	0.03	←
B	R, D	0.00	0.01	0.00	0.00	0.03	←
C	-	0.00	0.01	0.00	0.00	0.00	⇄
D	R, S, W	0.11	0.03	0.01	0.32	0.04	
E	R, O, b	0.07	0.01	0.01	0.07	0.05	
F	b, H, Q	0.25	0.10	0.04	0.44	0.05	
G	b, H, L	0.11	0.01	0.01	0.11	0.04	
H	O, b, F	0.39	0.12	0.09	0.51	0.04	
I	R, O, Q	0.04	0.03	0.01	0.33	0.04	
J	S, W, O	0.04	0.01	0.01	0.04	0.02	
K	W, b, H	0.11	0.04	0.02	0.37	0.05	
L	F, H, G	0.07	0.01	0.00	0.11	0.04	
M	H, Q, K	0.00	0.01	0.00	0.00	0.04	←
N	R, D, T	0.00	0.01	0.00	0.00	0.03	←
O	S, W, a	0.21	0.07	0.10	0.49	0.01	
P	R, b, H	0.11	0.04	0.02	0.33	0.06	
Q	R, F, H	0.14	0.06	0.04	0.43	0.06	
R	S, W, T	0.43	0.09	0.10	0.51	0.01	
S	P, D, Q	0.18	0.07	0.08	0.43	0.01	
T	P, R, O	0.07	0.03	0.02	0.34	0.04	
U	b	0.00	0.01	0.00	0.00	0.02	←
V	R, F, G	0.00	0.01	0.00	0.00	0.04	←
W	R, b, I	0.21	0.08	0.08	0.47	0.04	
X	E, H, G	0.00	0.01	0.00	0.00	0.03	←
Y	F, H, Z	0.00	0.01	0.00	0.00	0.04	←
Z	F, H, L	0.04	0.01	0.00	0.04	0.04	
a	S, W, O	0.04	0.02	0.00	0.33	0.02	
b	F, H, K	0.29	0.12	0.07	0.53	0.04	
c	R, J, K	0.00	0.01	0.00	0.00	0.03	←

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

sna_ranks GROUP 1 - DEMO 2   **SNA RANK SCORES**

B. Who would you choose to organize a study group?

ID	CHOICES	IC	PR	BT	CL	HU	ND
A	E, P, R	11	19	19	16	19	←
B	R, D	11	19	19	16	22	←
C	-	11	19	19	16	28	⇄
D	R, S, W	8	12	13	12	17	
E	R, O, b	9	17	12	14	3	
F	b, H, Q	4	3	8	5	5	
G	b, H, L	8	15	14	13	7	
H	O, b, F	2	2	3	2	11	
I	R, O, Q	10	13	16	11	14	
J	S, W, O	10	18	15	15	23	
K	W, b, H	8	9	11	8	4	
L	F, H, G	9	16	17	13	6	
M	H, Q, K	11	19	19	16	16	←
N	R, D, T	11	19	19	16	21	←
O	S, W, a	5	6	2	3	27	
P	R, b, H	8	10	10	11	1	
Q	R, F, H	7	8	7	7	2	
R	S, W, T	1	4	1	2	25	
S	P, D, Q	6	7	4	6	26	
T	P, R, O	9	11	9	9	15	
U	b	11	19	19	16	24	←
V	R, F, G	11	19	19	16	9	←
W	R, b, I	5	5	5	4	12	
X	E, H, G	11	19	19	16	18	←
Y	F, H, Z	11	19	19	16	13	←
Z	F, H, L	10	18	18	15	10	
a	S, W, O	10	14	19	10	23	
b	F, H, K	3	1	6	1	8	
c	R, J, K	11	19	19	16	20	←

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closeness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄) ■ Very low
■ Low ■ High ■ Very high

B. Who would you choose to organize a study group?

RANK	IC	RANK	PR	RANK	BT	RANK	CL	RANK	HU
1	R	1	b	1	R	1	b	1	P
2	H	2	H	2	O	2	H	2	Q
3	b	3	F	3	H	2	R	3	E
4	F	4	R	4	S	3	O	4	K
5	O	5	W	5	W	4	W	5	F
5	W	6	O	6	b	5	F	6	L
6	S	7	S	7	Q	6	S	7	G
7	Q	8	Q	8	F	7	Q	8	b
8	D	9	K	9	T	8	K	9	V
8	G	10	P	10	P	9	T	10	Z
8	K	11	T	11	K	10	a	11	H
8	P	12	D	12	E	11	I	12	W
9	E	13	I	13	D	11	P	13	Y
9	L	14	a	14	G	12	D	14	I
9	T	15	G	15	J	13	G	15	T
10	I	16	L	16	I	13	L	16	M
10	J	17	E	17	L	14	E	17	D
10	Z	18	J	18	Z	15	J	18	X
10	a	18	Z	19	A	15	Z	19	A
11	A	19	A	19	B	16	A	20	c
11	B	19	B	19	C	16	B	21	N
11	C	19	C	19	M	16	C	22	B
11	M	19	M	19	N	16	M	23	J
11	N	19	N	19	U	16	N	23	a
11	U	19	U	19	V	16	U	24	U
11	V	19	V	19	X	16	V	25	R
11	X	19	X	19	Y	16	X	26	S
11	Y	19	Y	19	a	16	Y	27	O
11	c	19	c	19	c	16	c	28	C

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub

B. Who would you choose to organize a study group?

Non reciprocal edges

X → Y in network B · not Y → X in network B

| A E | A P | A R | B D | B R | D R | D W | E O | E R | E b | G H | G b | H O | I O | I Q | I R | J O | J S | J W |

| K H | K W | L F | L H | M H | M K | M Q | N D | N R | N T | O S | O W | P H | P R | P b | Q H | Q R | R S |

| S P | S Q | T O | T P | U b | V F | V G | V R | W I | W b | X E | X G | X H | Y F | Y H | Y Z | Z F | Z H | Z L |

| a S | a W | c J | c K | c R |

Reciprocal edges

X → Y in network B · Y → X in network B

| D S | F H | F Q | F b | G L | H b | K b | O a | R T | R W |

Half symmetrical edges

X → Y in network B · X → Y in network A

| D R | G b | M Q | N R | N T | O S | O W | P b | U b |

Reversed half symmetrical edges

X → Y in network B · Y → X in network A

| A E | D R | H F | I Q | K H | N R | N T | O S | O W | T R | Y Z | a O | a S | a W | b F | b H | b K | c J |

Full symmetrical edges

X → Y, Y → X in network B · X → Y, Y → X in network A

| F H | F b | H b | K b | O a | R T |

This report is designed as a support tool to facilitate decision-making and does not replace the professional judgment of industry experts. Interpretations drawn from the report should be integrated with other information related to the specific evaluation context.

B. Who would you choose to organize a study group?

Connected components

| 28 | A · B · D · E · F · G · H · I · J · K · L · M · N · O · P · Q · R · S · T · U · V · W · X · Y · Z · a · b · c |

| 14 | D · F · H · I · K · O · P · Q · R · S · T · W · a · b | | 4 | F · H · Y · Z | | F · H · L · Z | | 3 | G · H · L | | H · P · b |

| D · N · R | | A · P · R | | D · R · S | | I · O · W | | G · H · b | | K · W · b | | D · R · W | | O · S · a | | J · O · S |

| F · H · b | | N · R · T | | I · R · W | | H · K · M | | O · W · a | | J · O · W | | H · M · Q | | F · H · Q | | B · D · R |

| H · K · b | | G · H · X | | P · R · S | | I · Q · R | | Q · R · S | | A · E · R | | P · R · T |