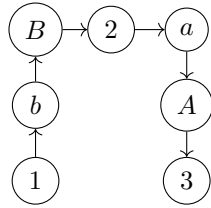


	A	B	1	2	3
1	0	1			
2	1	-1			
3	-1	0			
a	1	0	0	-1	0
b	0	1	-1	0	0

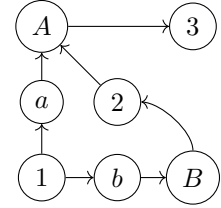
(a) Type I-I PFGAM



(b) Type I-I Graph

	A	B	1	2	3
1	1	1			
2	1	-1			
3	-1	0			
a	1	0	-1	0	0
b	0	1	-1	0	0

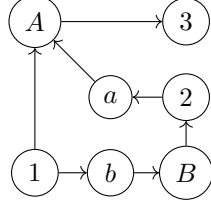
(c) Type I-IIA PFGAM



(d) Type I-IIA Graph

	A	B	1	2	3
1	1	1			
2	1	-1			
3	-1	0			
a	1	0	0	-1	0
b	0	1	-1	0	0

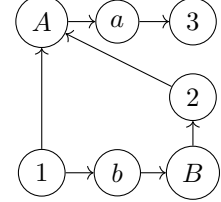
(e) Type I-IIB PFGAM



(f) Type I-IIB Graph

	A	B	1	2	3
1	1	1			
2	1	-1			
3	-1	0			
a	-1	0	0	0	1
b	0	1	-1	0	0

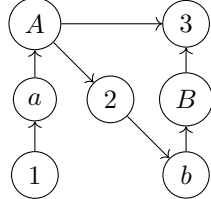
(g) Type I-IIC PFGAM



(h) Type I-IIC Graph

	A	B	1	2	3
1	1	0			
2	-1	1			
3	-1	-1			
a	1	0	-1	0	0
b	0	1	0	-1	0

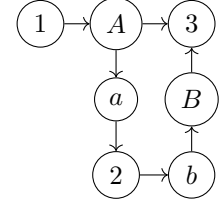
(i) Type I-IIIA PFGAM



(j) Type I-IIIA Graph

	A	B	1	2	3
1	1	0			
2	-1	1			
3	-1	-1			
a	-1	0	0	1	0
b	0	1	0	-1	0

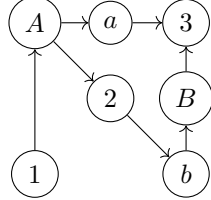
(k) Type I-IIIB PFGAM



(l) Type I-IIIB Graph

	A	B	1	2	3
1	1	0			
2	-1	1			
3	-1	-1			
a	-1	0	0	0	1
b	0	1	0	-1	0

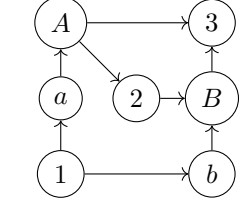
(m) Type I-IIIC PFGAM



(n) Type I-IIIC Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	1	0	-1	0	0
b	0	1	-1	0	0

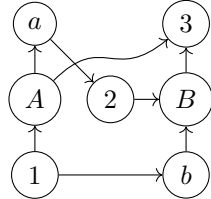
(o) Type IIA-IIIA PFGAM



(p) Type IIA-IIIA Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	0	0	1	0
b	0	1	-1	0	0

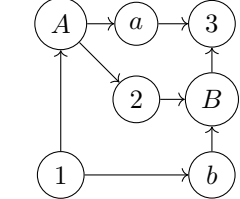
(q) Type IIB-IIIA PFGAM



(r) Type IIB-IIIA Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	0	0	0	1
b	0	1	-1	0	0

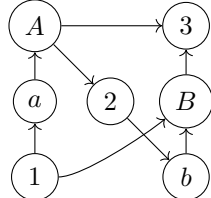
(s) Type IIC-IIIA PFGAM



(t) Type IIC-IIIA Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	1	0	-1	0	0
b	0	1	0	-1	0

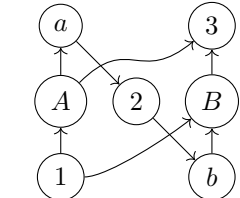
(u) Type IIA-IIIB PFGAM



(v) Type IIA-IIIB Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	0	0	1	0
b	0	1	0	-1	0

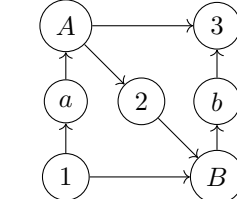
(w) Type IIB-IIIB PFGAM



(x) Type IIB-IIIB Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	1	0	-1	0	0
b	0	-1	0	0	1

(y) Type IIA-IIIC PFGAM

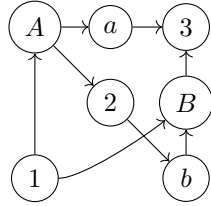


(z) Type IIA-IIIC Graph

Fig. 1: All possible configurations of TPSs with EB (Part A)

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	0	0	0	1
b	0	1	0	-1	0

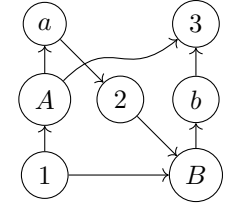
(a) Type IIC-IIIIB PFGAM



(b) Type IIC-IIIIB Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	0	0	1	0
b	0	-1	0	0	1

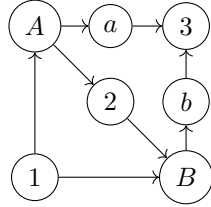
(c) Type IIB-IIIIC PFGAM



(d) Type IIB-IIIIC Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	0	0	0	1
b	0	-1	0	0	1

(e) Type IIC-IIIIC PFGAM

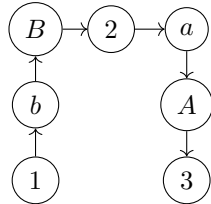


(f) Type IIB-III Graph

Fig. 2: All possible configurations of TPSs with EB (Part B)

	A	B	1	2	3
1	0	1			
2	1	-1			
3	-1	0			
a	1	0	0	-1	0
b	0	1	-1	0	0

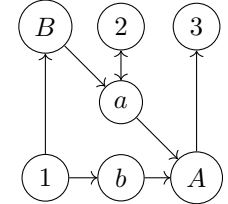
(a) Type I-I PFGAM



(b) Type I-I Graph

	A	B	1	2	3
1	1	1			
2	1	-1			
3	-1	0			
a	1	-1	0	10	0
b	1	0	-1	0	0

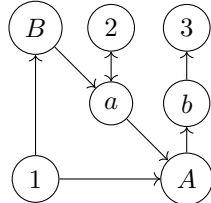
(c) Type I-IIA PFGAM



(d) Type I-IIA Graph

	A	B	1	2	3
1	1	1			
2	1	-1			
3	-1	0			
a	1	-1	0	10	0
b	-1	0	0	0	1

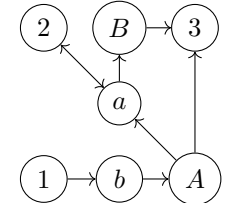
(e) Type I-IIB PFGAM



(f) Type I-IIB Graph

	A	B	1	2	3
1	1	0			
2	-1	1			
3	-1	-1			
a	-1	1	0	10	0
b	1	0	-1	0	0

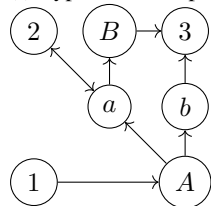
(g) Type I-IIIA PFGAM



(h) Type I-IIIA Graph

	A	B	1	2	3
1	1	0			
2	-1	1			
3	-1	-1			
a	-1	1	0	10	0
b	-1	0	0	0	1

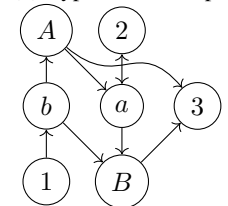
(i) Type I-IIIB PFGAM



(j) Type I-IIIB Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	1	0	10	0
b	1	1	-1	0	0

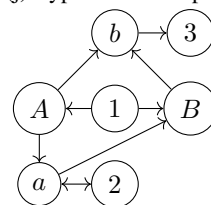
(k) Type II-IIIA PFGAM



(l) Type II-IIIA Graph

	A	B	1	2	3
1	1	1			
2	-1	1			
3	-1	-1			
a	-1	1	0	10	0
b	-1	-1	0	0	1

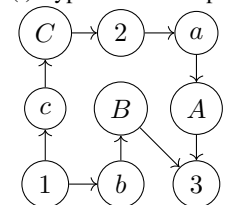
(m) Type II-IIIB PFGAM



(n) Type IIB-III Graph

	A	B	C	1	2	3
1	0	1	1			
2	1	0	-1			
3	-1	-1	0			
a	1	0	0	0	-1	0
b	0	1	0	-1	0	0
c	0	0	1	-1	0	0

(o) Type I-I-I PFGAM



(p) Type I-I-I Graph

Fig. 3: All possible configurations of TPCs with ESS

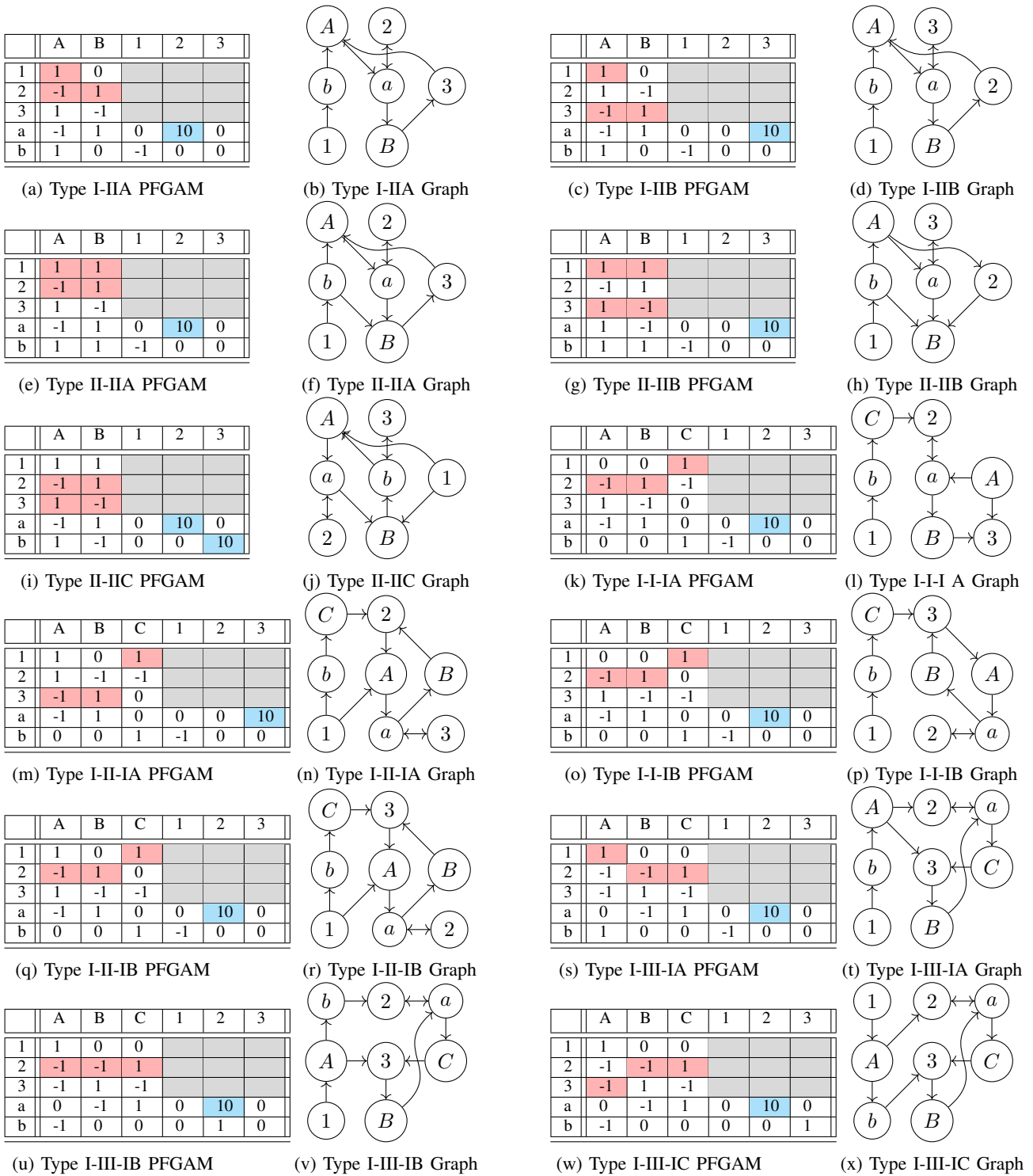
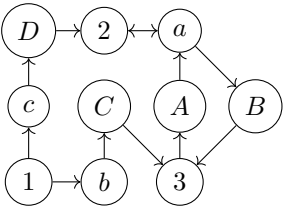


Fig. 4: All possible configurations of TPCs with ESS and Bidirectional Output (Part A)

	A	B	C	D	1	2	3
1	0	0	1	1			
2	-1	1	0	-1			
3	1	-1	-1	0			
a	-1	1	0	0	0	10	0
b	0	0	1	0	-1	0	0
c	0	0	0	1	-1	0	0

(a) Type I-I-I-I PFGAM



(b) Type I-I-I-I Graph

Fig. 5: All possible configurations of TPCs with ESS and Bidirectional Output (Part B)