

Table 1S.

Categorization of the references regarding the structure, game, reprocessor party, and planning horizon

Reference*	Collection		Selling		Involved party/Game type		Name of game	RP	PH	Structure
	Single	Multi	Single	Multi	Sequential	Simultaneous				
[12]	M&R&T		R		M		Stackelberg	M	s	1,2,3
[164]		M ₁ -M ₂		M ₁ -M ₂	M ₁	M ₁ -M ₂	Stackelberg, Nash	M ₁	s	27
[165]	Re		R		M		Stackelberg	Re	m	28
[128]	M&Re	M-Re		M-Re		M-Re	Nash	M-Re	t	50
[129]		M-Re		M-Re		M-Re	Nash	M-Re	t,m,i	50
[62]	M	R ₁ -R ₂		R ₁ -R ₂	M		Stackelberg, Nash	M	s	47,93
[13]	M		M		M	M-consumer	Sequential, Nash	M	s	136
[130]	M&G			M-Re		M-Re	Nash	Re	s,t	111,122
[166]	M ₁			M ₁ -M ₂		M ₁ -M ₂	Nash	M ₁	s,t	135
[98]	T		R		M		Sequential	M	i	130
[131]	G			M-Re		M-Re	Nash	Re	s,t	111
[73]	M	R ₁ -R ₂		R ₁ -R ₂	M	R ₁ -R ₂	Stackelberg, Nash	M	s	47,93
[157]	M	M ₁ ...M _n	M	M ₁ ...M _n	G	M ₁ ...M _n	Sequential, Cournot	M	s	179
[167]	M		M		M		Stackelberg	M	m	39
[99]	T		R		M		Sequential	M	i	130
[100]	T		R		M		Sequential	M	i	130
[76]		M ₁ -M ₂ -Re		M ₁ -M ₂ -Re	M ₁ -M ₂	M ₁ -M ₂	Stackelberg, Nash	M ₁ -M ₂ -Re	m	190
[102]	Re			M-Re	M		Repeated	Re	m	119
[143]	R		R			M-R	Nash	R	t	178
[6]	R		R		M		Stackelberg, Differential	M	d	110
[168]	M			R ₁ -R ₂	M	R ₁ -R ₂	Stackelberg, Nash	M	s	26
[169]	M ₁	M ₁ -M ₂		M ₁ -M ₂		M ₁ -M ₂	Nash	M ₁ -M ₂	s	149
[107]	T	M-T		M-T	M		Stackelberg	T&M-T	s	109
[170]	R&T		R		M		Stackelberg	M&T	s	3,5
[108]	M		M		Sup		Stackelberg	Sup	s	148
[171]	M&R		R		M		Stackelberg	M	s	60,73
[172]	R		R		R	R-Sup	Stackelberg, Nash	Sup	s	108
[149]		M-T		M-T		M-T	Nash	M-T	t	145
[173]	R		R		M	M-R	Stackelberg, Nash	M	s	30
[132]	Re		R			M-Re	Nash	Re	s	6
[154]	Re			M-Re	M	M-Re	Stackelberg, Nash	Re	t,m	119
[174]	T		R		M	R-T	Stackelberg, Nash	M	s	25
[63]	M&R&T		R		M		Stackelberg	M	s	1,2,3
[121]	T		R		M&R&T		Stackelberg	M	s	7
[145]	M		Sup			M-Sup	Nash	Sup	s	90
[103]	R		R		M		Repeated	M	m	2
[70]		M-R, M-T, R-T	R		M		Stackelberg, Nash	M	s	8,9,10
[175]		R-T	R		M		Stackelberg	M	s	9
[96]		M-T	M			M-consumer	Nash	M-T	s	129
[97]		M-T	M			G-M-T-consumer	Nash	M-T	s	129
[176]		R-eR		R-eR	M		Stackelberg	M	s	11,12
[75]	T	M-T	R		M		Stackelberg	M	s	3,10
[177]	T		M		M		Stackelberg	M	s	87,88
[178]	T		R		M		Stackelberg	M	s	81
[179]	T			M-T	M		Stackelberg	T	s	36
[158]	T	T ₁ -T ₂		M ₁ -M ₂		M ₁ -M ₂	Cournot	Y	s	33,34
[180]	R		R		R		Stackelberg	M	s	142
[65]	M&R&T		R		M		Stackelberg	M	s	29,30,31
[181]	Re			M-Re	M		Stackelberg	Re	t	119
[146]	M		M			M-Sup	Nash	M	s	35
[126]		R ₁ -R ₂		R ₁ -R ₂	M&R		Stackelberg, Nash	M	s	55
[109]	M		M		Sup	M-Re	Stackelberg, Nash	M-Re	s	32
[55]		M-Re		M-Re		M-Re	Nash	M-Re	t	50
[182]	T			M-T	M		Stackelberg	T	d	36
[64]	M&R&T		R		M		Stackelberg	M	s	1,2,3
[89]	M		R			M-R	Nash	M	d	13
[5]	M&R&T		R		M	M-R	Stackelberg, Nash	M	t	1,2,3
[183]	R&Re		R&Re		Re		Stackelberg	Re	s	94,95
[161]	R		R			M ₁ -M ₂	Bertrand	M ₁ -M ₂	s	40,41
[110]	R		R		Sup		Stackelberg	Sup	s	71
[93]	R		R		R		Stackelberg, Evolutionary	M	d	98
[77]		R ₁ -R ₂ -R ₃		R ₁ -R ₂ -R ₃		R ₁ -R ₂ -R ₃	Nash	M	m	54
[184]		T ₁ -T ₂	M		M	T ₁ -T ₂ -M	Stackelberg, Nash	M	m	49
[185]	R		R		M	M-R	Stackelberg, Nash	M	m	2
[186]	Re			M-Re	M		Stackelberg	Re	s	96,97
[187]	R		R		R	M-R	Stackelberg, Nash	M	s	142
[188]	R		R		M		Stackelberg	M&M-R	s	2,188
[189]		R ₁ -R ₂		R ₁ -R ₂	M		Stackelberg	M	s	93
[268]	R		R			M-R	Bayesian Nash	M	s	2
[190]	T		R		M		Stackelberg	M	m	3
[101]	T		R		M		Sequential	M	i	130
[191]	M		R		R		Stackelberg	M	s	37
[192]	M&Sup		M		Sup		Stackelberg	M	s	183,184
[66]	M&R&T		R		M	R-T	Stackelberg, Bertrand	M	s	1,2,3
[193]	R		R		R	M-R	Stackelberg, Nash	M	s	143
[78]	M&Re		M	M-Re	M	M-Re	Stackelberg, Nash	M&Re	t	69,70
[122]	T		R		M&R&T	M-R-T	Stackelberg, Nash	M	s	7
[104]	T		T		M	M-T	Repeated	T	m	107
[194]	M&R&T		R		M		Stackelberg	M	s	1,2,3
[195]	T		M		M&T		Stackelberg	M	s	51
[196]	R		R		M&R		Stackelberg	M	s	2,98
[133]		M-Re		M-Re		M-Re	Nash	M-Re	t	50
[87]	M			eM-R, R-T		M-R	Stackelberg	M	s	105,106
[197]		eM-R		eM-R	M		Stackelberg	M	s	101
[111]	R		R		Sup	R-Sup	Stackelberg, Nash	R	s	14
[113]	T		R		R		Stackelberg	M	i	130
[198]	R			eM-R		M-R	Nash	M	s	19

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Table 1A.
Continue.

Reference*	Collection		Selling		Involved party/Game type		Name of game	RP	PH	Structure
	Single	Multi	Single	Multi	Sequential	Simultaneous				
[199]	R		R		M		Stackelberg	M	s	85
[200]	T	M-T		M-T		M-T	Nash	T	m	114,116
[201]	T		M		M	M-Sup	Stackelberg	M-Sup	s	53
[202]	M ₁			M ₁ -M ₂	M ₁		Stackelberg	M	t	99
[56]	M		R		M		Stackelberg	M	d	86
[203]	M		R		M	M-R	Stackelberg, Nash	M	d	1
[94]	M&R	M-R	R		M		Stackelberg, Evolutionary	M	i	60,73,74
[105]	M		R		M&R	M-R	Stackelberg, Nash	M	s	59
[127]	R			eM-R	M&R	M-R	Stackelberg, Nash	M	s	58
[114]	M&R		R		R		Stackelberg	M	t	1,2,56,57
[88]	M			R-eR	M		Stackelberg	M	s	78
[54]		M-R, M-T, R-T	R		M	R-T	Stackelberg, Bertrand, Nash	M	s	8,9,10
[204]	T		R		M		Stackelberg	M	s	24
[205]	Re			M-Re	M&Re		Stackelberg	Re	s	67
[206]		R ₁ -R ₂		R ₁ -R ₂	M	R ₁ -R ₂	Stackelberg, Cournot	M	s	104
[139]	M ₁			M ₁ -M ₂		M ₁ -M ₂	Nash	M ₁	t	193
[159]		R ₁ -R ₂		R ₁ -R ₂	M	R ₁ -R ₂	Stackelberg, Cournot	M	s	100
[207]		M-R	R		M		Stackelberg	M	s	120
[155]	M		M			Consumers	Nash	M	s	39
[208]	M&R&T			M-R	M		Stackelberg	M	s	15,16,17
[209]	R		R		M		Stackelberg	M	s	2
[269]	M		R		M		Stackelberg	M	s	1
[210]	M&T	M-T		M-T		M-T	Nash	M	s	103
[211]		R-T	R		M	R-T	Stackelberg, Nash	M	s	9
[162]		M-Re		M-Re		M-Re	Nash, Bertrand	M-Re	s	48
[85]	M			eM-R, R-T	M		Stackelberg	Re	t	125,126
[212]	M&Sup		M		M		Stackelberg	M&Sup	s	76,77
[213]	R		R		M		Stackelberg	M	s	2
[214]	M		M		G		Stackelberg	M	t	117
[57]	R	R-T	R		R		Stackelberg	R	t	18,20
[156]	M&R		R		M	M-R-T	Stackelberg, Nash	T	s	61
[7]	Re		R		M		Stackelberg	Re	s	72
[138]	M ₁	M ₁ -M ₂		M ₁ -M ₂		M ₁ -M ₂	Nash	M ₁ , M ₁ -M ₂	t	113,115
[153]	T			M-T	M	M-R-T	Stackelberg, Nash	T	s,t	123,124
[215]		T ₁ -T ₂	R		M		Stackelberg	M	s	38
[144]	R			M-R		M-R	Nash	M	s	180
[216]	M		R		M		Stackelberg	M	d	86
[8]		M-Re		M-Re		M-Re	Cournot, Nash	M-Re	s	48
[217]	T			eM-R	M		Stackelberg	M	m	4
[4]	M&R		R	R ₁ ...R _n	M		Stackelberg	M	t	62,64,66,68
[123]		eM-T		eM-R	M&R&T	M-R-T	Stackelberg, Nash	M	s	21
[267]	M&R		R		M		Stackelberg	M	s	1,2
[147]	Sup		M			M-Sup	Nash	M	s	42
[134]		M-Re		M-Re		M-Re	Nash	M-Re	t	80
[218]	M&R&T		R		M		Stackelberg	M, M-R, M-T	s	43,44,45
[219]	eM&T	eM-T	M		M		Stackelberg	M&T	s	137,138,144
[61]	M&R&T		R		M		Stackelberg	M&R&T	s	79,89,91
[115]		M-R-SM	R		R		Stackelberg	M	s	127
[91]	M			M-R	M		Stackelberg, Differential	M	i	128
[220]	M&Sup		R		Sup		Stackelberg	M&Sup	s	132,133
[221]	R		R		M		Stackelberg	M	s	85
[222]	T			M-T	Sup		Stackelberg	T	s	102
[223]	R			eM-R	M		Stackelberg	M	s	58
[224]	M			R ₁ -R ₂	M		Stackelberg	M	s	47
[225]		M-R	R		M&R	M-R	Stackelberg, Nash	M	s	8
[79]	M&Re		M	M-Re	M		Stackelberg	M&Re	t	119,164
[71]		M-R, M-T, R-T	R		M	R-T	Stackelberg, Bertrand	M	s	8,9,10
[116]	Re		M	M-Re	Re		Stackelberg	Re	t	186,187,194
[226]	M&R&T		R		M		Stackelberg	M	s	1,2,3
[227]	R		R		M&R	M-R	Stackelberg, Nash	M	s	22
[3]	M&R		R		M		Nash	M	t	63,65
[150]	R		R		M	M-R	Stackelberg, Nash	M	s	2
[148]		M-T	M			M-T	Nash	M	t	23
[140]		M ₁ -M ₂		M ₁ -M ₂		M ₁ -M ₂	Nash	M ₁ -M ₂	s	189
[124]	T		R		M&R&T	M-R-T	Stackelberg, Nash	M	s	7
[117]	M&R&T		R		M		Stackelberg	M	s	1,2,3
[228]		M ₁ -M ₂	R		M ₁	M ₁ -M ₂	Stackelberg, Nash	M ₁ -M ₂	s	185
[229]	R		R		M		Stackelberg	M	s	2,60
[230]	Re			M-Re	G	M-Re	Stackelberg, Nash	Re	s	118
[231]	R			eM-R	M		Stackelberg	M	s	58
[67]	M&R&T		R		M		Stackelberg	M	s	1,2,3
[232]	M		R		M	M-R	Stackelberg, Nash	M	s	92
[69]		M-R, M-T	R		M		Stackelberg	M	s	8,10
[233]	M		R		M&R	M-R	Stackelberg, Nash	M	s	112
[234]	R		R		M		Stackelberg	M	s	30
[14]	T			M-R	M&R&T		Stackelberg	M	s	82
[235]		T ₁ -T ₂	M			T ₁ -T ₂	Nash	T ₁ -T ₂	t	134
[236]		eT-R	R		M		Stackelberg	T	s	171
[237]	M&T			eM-R	M		Stackelberg	M	s	4,75
[53]	T	M ₁ ... M _n , R ₁ ... R _n		R ₁ ...R _n	M	M ₁ ...M _n -T	Stackelberg, Nash	M ₁ ...M _n	s	1,2,3
[72]	R	R ₁ -R ₂		R ₁ -R ₂	M	R ₁ -R ₂	Stackelberg, Nash	M	d	181,182
[240]	T		R		M	T-R	Stackelberg, Nash	M	s	31
[95]	M		R		M		Stackelberg	M	t	147
[238]	M			M-R	M		Stackelberg	M	t	191
[135]	Re			M-Re		M-Re	Nash	Re	m	139
[136]	Re			M-Re		M-Re	Nash	Re	m	139
[239]	R		R			M-R	Stackelberg, Nash	M	s	177

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Table 1A.
Continue.

Reference*	Collection		Selling		Involved party/Game type		Name of game	RP	PH	Structure
	Single	Multi	Single	Multi	Sequential	Simultaneous				
[241]	M&R ₁	R ₁ -R ₂		R ₁ -R ₂	M		Stackelberg	M, R ₁ , R ₁ -R ₂	s	174,175,176
[242]	T		R		M		Stackelberg	T	s	131
[243]		R-T	R		R		Stackelberg	R	s	173
[141]	M ₁			M ₁ -M ₂		M ₁ -M ₂	Nash	M ₁	t	172
[244]		T ₁ -T ₂	R		M ₁ &M ₂		Stackelberg	M ₁ -M ₂	s	169
[120]	M			R ₁ -R ₂	M		Stackelberg	M	s	192
[137]	Re	M-Re		M-Re		M-Re	Nash	Re, M-Re	s	48,96
[245]	M			eM-R	M		Stackelberg	M	s	170
[125]		M-T		M-R	M&R&T		Stackelberg	M	s	161
[163]	T	M-T		M-T	M	M-T	Stackelberg, Bertrand	T, M-T	s	167,168
[246]	M		R	R ₁ -R ₂	M	M-R	Stackelberg, Nash	M	s	1,141
[119]	R		R		M	M ₁ -M ₂	Stackelberg, Nash	M ₁ -M ₂	s	46
[81]		M-Re		M-Re	M	M-Re	Stackelberg, Nash	Re	s	152
[90]	R		R		M&R	M-R	Stackelberg, Nash, Differential	M	s	2
[68]	M&R&T		R		M	M-R-T	Stackelberg, Nash	M	s	1,2,3
[142]		M ₁ -M ₂		M ₁ -M ₂		M ₁ -M ₂	Nash	M ₁ -M ₂	s	149
[247]	M		R		M		Stackelberg	M	t	166
[248]	R		R		M		Stackelberg	M	s	60
[249]	M		R		M		Stackelberg	M	s	165
[250]	M&R&T		R		M		Stackelberg	M	t	1,2,3
[251]	Re			M-Re	M		Stackelberg	Re	t	119
[80]		R-T	R	eM-R	M		Stackelberg	M	s	9,121
[118]	M			eM-R	M		Stackelberg	M	s	75
[15]	M&R	M-R	R		M&R	M-R	Stackelberg, Nash	M	s	60,73,74
[252]	T		M		M		Stackelberg	M	t	160
[74]		R-T	R		M		Stackelberg	M	s	9,159
[160]	Re		Re			M-Re	Cournot	Re	d	150
[86]	M			R ₁ -R ₂	M		Stackelberg	M	s	47
[253]	R			eM-R	M		Stackelberg	M	s	58
[254]	R		R		M	M-R	Stackelberg, Nash	R	t	158
[151]	T&Sup		M		T&Sup	Sup-M-T	Stackelberg, Nash	T&Sup	s	151,157
[152]	M&T				M	M-T	Stackelberg, Nash	T	s	124,156
[255]	M		R	eM-R	M		Stackelberg	M	s	1,75,155
[82]	M			M-R	M		Stackelberg	M	s	195
[58]	T		R		M&R&T		Stackelberg	M	s	7
[60]	M&Re&R		R		M		Stackelberg	M&Re	s	60,73,154
[84]	T			M ₁ -M ₂	M ₁ &M ₁		Stackelberg, Differential	M ₁	s	153
[92]	R		R		M		Stackelberg, Differential	M	d	2
[256]	M		R		M&R		Stackelberg	M	s	1,37
[257]		R ₁ -R ₂		R ₁ -R ₂	M		Stackelberg	M	s	104
[258]	M&R		R		M		Stackelberg	M	s	52,165
[259]	R		R		M		Stackelberg	M	t	83
[260]	T ₁		M		M	T ₁ -Sup	Stackelberg, Nash	M&T ₂	s	163,196
[261]	R		R		M1&M2		Stackelberg	M1-M2	s	140
[262]	M		R		M		Stackelberg	M	s	1
[59]	M&R		R		M		Stackelberg	M	s	1,2
[263]	M		M		Sup		Stackelberg	M	s	146
[83]	T			M-T		M-T	Nash, Cournot	T	s	162
[264]	M			M-R	M		Stackelberg	M	s	105
[265]	R			eM-R	M	M-R	Stackelberg, Nash	M	s	84
[266]	R		R		M		Stackelberg	M	d	2

* RP: reprocessor party, PH: planning horizon (s: single-period, t: two-period, m: multi-period (discrete), i: infinite planning horizons, d: dynamic (continuous)); M: manufacturer, Re: remanufacturer, R: retailer, T: third-party, D: market, G: government, Sup: Supplier, e: online channel (for example, eR shows e-tail via retailer), SM: second-hand market