

About the menu of markets in the colony

In this article, I describe how the menu of markets are decided.

Trading goods are categorized to A – I and North America local specialty.

8 of A – I trading goods and 2 of NA local specialty trading goods are sold in the markets in same time.

Facility Index

Facilities have 4 kind of “Facility Index”.

The menu depends on Facility Indexes and population.

		Facility Index			
facility	rank	Agriculture	Mining	Technology	Culture
Farm	1	600	0	0	0
Artificial Forest	1	0	300	300	0
Ranch	1	300	0	0	300
Mine	1	0	600	0	0
Food Market	1	10	10	10	10
Industrial Products Market	1	10	10	10	10
Manufactured Goods Market	1	10	10	10	10
Luxury Goods Market	1	10	10	10	10
Shipyards	1	0	100	400	100
Shipyards	2	0	100	400	100
Bank	1	50	50	100	400
Tavern	1	300	100	100	100
Library type A Seville	1	50	50	100	400
Library type B Lisbon	1	50	50	100	400
Library type C Venice	1	50	50	100	400
Library type D Marseille	1	50	50	100	400
Library type E Amsterdam	1	50	50	100	400
Library type F London	1	50	50	100	400
Workshop	1	50	50	400	100

Discriminant

Trading goods (excepts North America local specialty) are categorized to A – I.

“Discriminant” can be calculated from Facility Indexes.

If discriminant of goods field A is high, priority of goods field A is high.

Goods Field	Discriminant
A	$\text{Agriculture} * 3$
B	$\text{Agriculture} * 2 + \text{Technology}$
C	$\text{Agriculture} * 2 + \text{Culture}$
D	$\text{Agriculture} + \text{Technology} + \text{Culture}$
E	$\text{Mining} * 3$
F	$\text{Mining} * 2 + \text{Technology}$
G	$\text{Mining} * 2 + \text{Culture}$
H	$\text{Mining} + \text{Technology} + \text{Culture}$
I	$(\text{Technology} + \text{Culture}) * 1.5$

Example of Discriminant

In following case, A is the highest.

Therefore, priority of Goods Field A (food stuff) is highest.

		Facility Index			
facility	rank	Agriculture	Mining	Technology	Culture
Farm	1	600	0	0	0
Farm	1	600	0	0	0
Artificial Forest	1	0	300	300	0
Mine	1	0	600	0	0
Food Market	1	10	10	10	10
Industrial Products Market	1	10	10	10	10
Manufactured Goods Market	1	10	10	10	10
Luxury Goods Market	1	10	10	10	10
Shipyards	1	0	100	400	100
SUM		1240	1040	740	140

Goods Field	Discriminant
A	3720
B	3220
C	2620
D	2120
E	3120
F	2820
G	2220
H	1920
I	1320

NE	New England
NF	New France
NN	New Netherlands
Vi	Virginia
Ca	Carolina
Ge	Georgia

Trading Goods	Goods Field	Cultural Area of Colony						Required Population	Required Facility	Required Market	Facility Index			
		NE	NF	NN	Vi	Ca	Ge				Agriculture	Mining	Technology	Culture
Barley	A	O	O	X	X	X	X	1	Farm	Food	10	10	10	10
Wheat	A	X	X	O	O	O	O	1	Farm	Food	10	10	10	10
Corn	A	O	O	O	O	O	O	101	Farm	Food	500	10	10	10
Soya Beans	A	O	O	O	O	O	O	201	Farm	Food	500	10	10	10
Red Beans	A	O	O	O	O	O	O	251	Farm	Food	500	10	10	10
Onion	A	O	O	X	X	X	X	301	Farm	Food	1100	10	10	10
Sweet Potatoes	A	O	O	O	O	O	O	351	Farm	Food	1100	10	10	10
Carrot	A	O	O	O	O	O	O	401	Farm	Food	1100	10	10	10
Celery	A	O	O	O	O	O	O	501	Farm	Luxury	1100	10	10	10
Pumpkin	A	O	O	O	O	O	O	701	Farm	Food	1100	10	10	10
Parsley	A	O	O	O	O	O	O	901	Farm	Luxury	1100	10	10	10
Potatoes	A	O	O	O	O	O	O	1101	Farm	Food	1700	10	10	10
Armand	A	X	X	O	O	X	X	1301	Farm	Industrial	1700	10	10	10
Mustard	A	O	O	O	O	O	O	1301	Farm	Luxury	1700	10	10	10
Sugar Cane	A	X	X	X	X	O	O	1301	Farm	Food	1700	10	10	10
Pickles	A	O	O	O	O	O	O	1501	Farm	Industrial	1700	10	10	10
Garlic	A	O	O	O	O	O	O	1701	Farm	Luxury	1700	10	10	10
Rosemary	A	O	O	O	O	O	O	1901	Farm	Luxury	2300	10	10	10
Vanilla Beans	A	O	O	O	O	O	O	2101	Farm	Luxury	2300	10	10	10
Dried Strawberries	A	O	O	O	O	O	O	2301	Farm	Industrial	2300	10	10	10
Hazelnuts	A	O	O	O	O	O	O	2501	Farm	Industrial	2300	10	10	10
Dried Apricots	A	O	O	X	X	X	X	2501	Farm	Industrial	2300	10	10	10
Oregano	A	O	O	O	O	O	O	2701	Farm	Luxury	2300	10	10	10
Walnuts	A	O	O	O	O	O	O	2901	Farm	Industrial	2300	10	10	10
Salt	B	O	O	O	O	O	O	101	Farm	Food	500	10	300	10
Beer	B	O	O	X	X	X	X	501	Farm	Industrial	500	10	300	10
Rum	B	X	X	X	X	O	O	601	Farm	Industrial	1100	10	700	10
Lemon Oil	B	O	O	O	O	O	O	801	Farm	Luxury	1100	10	700	10
Liqueur	B	X	X	O	O	X	X	1101	Farm	Industrial	1100	10	700	10
Sugar	B	X	X	X	X	O	O	1101	Farm	Food	1100	10	700	10
Lavender	B	O	O	O	O	X	X	1501	Farm	Luxury	1700	10	1300	10
Honey	B	O	O	O	O	O	O	2701	Farm	Food	2300	10	1900	10

Trading Goods	Goods Field	Cultural Area of Colony						Required Population	Required Facility	Required Market	Facility Index			
		NE	NF	NN	Vi	Ca	Ge				Agriculture	Mining	Technology	Culture
Egg	C	O	O	O	O	O	O	51	Ranch	Food	300	10	10	300
Chicken	C	O	O	O	O	O	O	101	Ranch	Food	300	10	10	300
Pig	C	O	O	O	O	O	O	151	Ranch	Food	500	10	10	300
Duck	C	O	O	O	O	O	O	201	Ranch	Food	500	10	10	300
Fish	C	O	O	O	O	O	O	251	Ranch	Food	500	10	10	300
Milk	C	O	O	O	O	O	O	301	Ranch	Food	500	10	10	300
Lard	C	O	O	O	O	O	O	401	Ranch	Food	500	10	300	300
Butter	C	O	O	O	O	O	O	501	Ranch	Food	500	10	300	300
Cattle	C	O	O	O	O	O	O	701	Ranch	Food	500	10	10	300
Poultry	C	O	O	O	O	O	O	901	Ranch	Food	1100	10	10	700
Cheese	C	O	O	O	O	O	O	1201	Ranch	Food	1100	10	10	700
Pork	C	O	O	O	O	O	O	1301	Ranch	Food	1100	10	10	700
Sausages	C	O	O	O	O	O	O	1501	Ranch	Food	1100	10	10	700
Bacon	C	O	O	O	O	O	O	1601	Ranch	Food	1100	10	10	700
Ham	C	O	O	O	O	O	O	1801	Ranch	Food	1100	10	10	700
Beef	C	O	O	O	O	O	O	2001	Ranch	Food	1700	10	10	1300
Sage	D	O	O	O	O	O	O	101	Farm	Food	500	10	300	300
Aniseed	D	O	O	O	O	O	O	151	Farm	Food	500	10	300	300
Dandelions	D	O	O	O	O	O	O	301	Farm	Food	500	10	300	300
Senna	D	X	X	O	O	O	O	601	Farm	Food	500	10	300	300
Chamomile	D	O	O	O	O	O	O	801	Farm	Food	1100	10	700	700
Wormwood	D	O	O	O	O	O	O	1001	Farm	Food	1100	10	700	700
Peony	D	O	O	O	O	O	O	1501	Farm	Food	1700	10	1300	1300
Rosehip	D	O	O	O	O	O	O	2001	Farm	Food	1700	10	1300	1300
Peafowl	D	O	O	O	O	O	O	2151	Farm	Food	1700	10	1300	1300
Peacock Feathers	D	O	O	O	O	O	O	2301	Farm	Manufactured	2300	10	1900	1900
Apricot Seeds	D	O	O	X	X	X	X	2501	Farm	Food	2300	10	1900	1900
Zinc Ore	E	O	O	O	O	O	O	251	Mine	Industrial	10	500	10	10
Lead Ore	E	O	O	O	O	O	O	501	Mine	Industrial	10	1100	10	10
Tin Ore	E	O	O	O	O	O	O	701	Mine	Industrial	10	1700	10	10
Iron Ore	E	O	O	O	O	O	O	1001	Mine	Industrial	10	2300	10	10
Copper Ore	E	O	O	O	O	O	O	1401	Mine	Industrial	10	2900	10	10
Crystal	E	O	O	O	O	O	O	3001	Mine	Luxury	10	3500	10	10
Peridot	E	O	O	O	O	O	O	3501	Mine	Luxury	10	4200	10	10

Trading Goods	Goods Field	Cultural Area of Colony						Required Population	Required Facility	Required Market	Facility Index			
		NE	NF	NN	Vi	Ca	Ge				Agriculture	Mining	Technology	Culture
Logs	F	O	O	O	O	O	O	101	Mine, Artificial Forest	Industrial	10	300	300	10
Sulphur	F	O	O	O	O	O	O	401	Mine, Artificial Forest	Industrial	10	500	300	10
Coal	F	O	O	O	O	O	O	601	Mine, Artificial Forest	Industrial	10	500	300	10
Stone	F	O	O	O	O	O	O	801	Mine, Artificial Forest	Industrial	10	1100	700	10
Lumber	F	O	O	O	O	O	O	1001	Mine, Artificial Forest	Industrial	10	1100	700	10
Brass	F	O	O	O	O	O	O	1101	Mine, Artificial Forest	Industrial	10	1100	700	10
Longbows	F	O	O	O	O	O	O	1201	Mine, Artificial Forest	Manufactured	10	1100	700	10
Iron	F	O	O	O	O	O	O	1301	Mine, Artificial Forest	Industrial	10	1100	700	10
Rubber	F	O	O	O	O	O	O	1401	Mine, Artificial Forest	Industrial	10	1100	700	10
Short Swords	F	O	O	O	O	O	O	1501	Mine, Artificial Forest	Manufactured	10	1700	1300	10
Gunpowder	F	O	O	O	O	O	O	1601	Mine, Artificial Forest	Manufactured	10	1700	1300	10
Bronze	F	O	O	O	O	O	O	1701	Mine, Artificial Forest	Industrial	10	1700	1300	10
Copper	F	O	O	O	O	O	O	1801	Mine, Artificial Forest	Industrial	10	1700	1300	10
Single-handed Swords	F	O	O	O	O	O	O	1901	Mine, Artificial Forest	Manufactured	10	1700	1300	10
Steel	F	O	O	O	O	O	O	2101	Mine, Artificial Forest	Industrial	10	2300	1900	10
Two-handed Swords	F	O	O	O	O	O	O	2501	Mine, Artificial Forest	Manufactured	10	2300	1900	10
Cannon Shot	F	O	O	O	O	O	O	2801	Mine, Artificial Forest	Manufactured	10	2900	2500	10
Arquebuses	F	O	O	O	O	O	O	3201	Mine, Artificial Forest	Manufactured	10	2900	2500	10
Kenaf	G	O	O	O	O	O	O	151	Mine, Artificial Forest	Manufactured	10	300	10	300
Hemp Fabric	G	O	O	O	O	O	O	301	Mine, Artificial Forest	Manufactured	10	500	10	300
Leather	G	O	O	O	O	O	O	501	Mine, Artificial Forest	Manufactured	10	500	10	300
Knitted Fabric	G	O	O	O	O	O	O	751	Mine, Artificial Forest	Manufactured	10	1100	10	700
Woollen Fabric	G	O	O	O	O	O	O	1001	Mine, Artificial Forest	Manufactured	10	1700	10	1300
Wax	G	O	O	O	O	O	O	1301	Mine, Artificial Forest	Industrial	10	1700	10	1300
Fur	G	O	O	O	O	O	O	1501	Mine, Artificial Forest	Manufactured	10	2300	10	1900
Lace	G	O	O	O	O	O	O	2001	Mine, Artificial Forest	Manufactured	10	2900	10	2500
Embroidery Thread	G	O	O	O	O	O	O	2301	Mine, Artificial Forest	Manufactured	10	2900	10	2500
Leatherwork	H	O	O	O	O	O	O	1201	Mine, Artificial Forest	Manufactured	10	1700	1300	1300
Gold Thread	H	O	O	O	O	O	O	1501	Mine, Artificial Forest	Manufactured	10	2300	1300	1300
Ceramics	H	O	O	O	O	O	O	1701	Mine, Artificial Forest	Manufactured	10	2300	1900	1900
Fine Furniture	H	O	O	O	O	O	O	2001	Mine, Artificial Forest	Manufactured	10	2900	2500	2500
Bronze Sculpture	I	O	O	O	O	O	O	1001	Shipyard, Bank, Library	Manufactured	10	10	1500	1500
Stone Sculpture	I	O	O	O	O	O	O	1501	Shipyard, Bank, Library	Manufactured	10	10	2000	2000
Oil Paintings	I	O	O	O	O	O	O	2001	Shipyard, Bank, Library	Manufactured	10	10	2500	2500
Marble Sculpture	I	O	O	O	O	O	O	3001	Shipyard, Bank, Library	Manufactured	10	10	3000	3000
Cranberries	NA	O	O	O	O	O	O	1001	---	Industrial	500	10	10	10
Maple Syrup	NA	O	O	O	O	O	O	1301	---	Food	1100	10	700	10
Natal Indigo	NA	O	O	O	O	O	O	1701	---	Industrial	2300	10	1900	1900
Folk Costumes	NA	O	O	O	O	O	O	2101	---	Manufactured	10	2300	1900	1900
Tourmaline	NA	O	O	O	O	O	O	3001	---	Luxury	10	6000	10	10