

Execució normal del programa (Principi)

The screenshot shows the initial state of a simulation program. On the left, there is a vertical column of control buttons: Play, Pause, Aplicar, Reiniciar, ProtRegCrit, and StockPositivo. The main area is divided into three columns of input fields. The first column, labeled 'Productes', contains fields for a value (-3543), 'Temps Crear Threads [ms]' (6), 'Temps Start Threads [ms]' (17), 'Temps Proces Consumidors [s]' (0), 'Temps Proces Productors [s]' (0), 'Items Produits' (10140), and 'Items Consumits' (10457). The second column, labeled 'Productors Processant', contains fields for 'Productors Processant' (300), 'Productors Acabats' (0), 'Productors Pendants' (300), 'Consumidors Processant' (400), 'Consumidors Acabats' (0), and 'Consumidors Pendants' (400). The third column, labeled 'Productores', contains fields for 'Productores' (300), 'Items per Productor' (200), 'TempProd.Rand/Fix' (a button), 'Temps Maxim Produccio' (100), 'Consumidors' (400), 'Items per Consumidor' (100), 'TempCon.Rand/Fix' (a button), and 'Temps Maxim Consumir' (100).

Control	Productes	Productors Processant	Productores
Play	-3543	300	300
Pause	Temps Crear Threads [ms]: 6	Productors Processant: 300	Items per Productor: 200
Aplicar	Temps Start Threads [ms]: 17	Productors Acabats: 0	TempProd.Rand/Fix
Reiniciar	Temps Proces Consumidors [s]: 0	Productors Pendants: 300	Temps Maxim Produccio: 100
ProtRegCrit	Temps Proces Productors [s]: 0	Consumidors Processant: 400	Consumidors: 400
StockPositivo	Items Produits: 10140	Consumidors Acabats: 0	Items per Consumidor: 100
	Items Consumits: 10457	Consumidors Pendants: 400	TempCon.Rand/Fix
			Temps Maxim Consumir: 100

(Final)

The screenshot shows the final state of the simulation program. The layout is identical to the first screenshot, but the values in the input fields have changed. The 'Productes' column now shows 19813, 6, 17, 5, 11, 52259, and 29148. The 'Productors Processant' column shows 3, 297, 3, 4, 392, and 4. The 'Productores' column shows 300, 200, a button, 100, 400, 100, a button, and 100.

Control	Productes	Productors Processant	Productores
Play	19813	3	300
Pause	Temps Crear Threads [ms]: 6	Productors Processant: 3	Items per Productor: 200
Aplicar	Temps Start Threads [ms]: 17	Productors Acabats: 297	TempProd.Rand/Fix
Reiniciar	Temps Proces Consumidors [s]: 5	Productors Pendants: 3	Temps Maxim Produccio: 100
ProtRegCrit	Temps Proces Productors [s]: 11	Consumidors Processant: 4	Consumidors: 400
StockPositivo	Items Produits: 52259	Consumidors Acabats: 392	Items per Consumidor: 100
	Items Consumits: 29148	Consumidors Pendants: 4	TempCon.Rand/Fix
			Temps Maxim Consumir: 100

Amb Stock Positiu Activat (Principi)

Paramètres de l'application		Paramètres du processus		Paramètres du consommateur	
<div>Play</div> <div>Pause</div> <div>Appliquer</div> <div>Reinitialiser</div> <div>ProtRegCrit</div> <div>StockPositif</div>	Produites	2	Producteurs Processant	300	Producteurs
	Temps Crear Threads [ms]	4	Producteurs Acabats	0	Items per Productor
	Temps Start Threads [ms]	17	Producteurs Pendants	300	TempProd.Rand/Fix
	Temps Proces Consumidors [s]	0	Consumidors Processant	400	Temps Maxim Produccio
	Temps Proces Productors [s]	0	Consumidors Acabats	0	Consumidors
	Items Produits	11493	Consumidors Pendants	400	Items per Consumidor
	Items Consumits	12069			TempCon.Rand/Fix
					Temps Maxim Consumir
					100

(Final)

<div>Play</div> <div>Pause</div> <div>Aplicar</div> <div>Reiniciar</div> <div>ProtRegCrit</div> <div>StockPositivo</div>	Productos <input type="text" value="10000"/>	Productors Processant <input type="text" value="2"/>	Productores <input type="text" value="300"/>
	Temps Crear Threads [ms] <input type="text" value="4"/>	Productors Acabats <input type="text" value="296"/>	Items per Productor <input type="text" value="200"/>
	Temps Start Threads [ms] <input type="text" value="17"/>	Productors Pendants <input type="text" value="1"/>	<div>TempProd.Rand/Fix</div>
	Temps Proces Consumidors [s] <input type="text" value="6"/>	Consumidors Processant <input type="text" value="5"/>	Temps Maxim Produccio <input type="text" value="100"/>
	Temps Proces Productors [s] <input type="text" value="11"/>	Consumidors Acabats <input type="text" value="391"/>	Consumidors <input type="text" value="400"/>
	Items Produits <input type="text" value="52923"/>	Consumidors Pendants <input type="text" value="5"/>	Items per Consumidor <input type="text" value="100"/>
	Items Consumits <input type="text" value="29602"/>		<div>TempCon.Rand/Fix</div>
			Temps Maxim Consumir <input type="text" value="100"/>