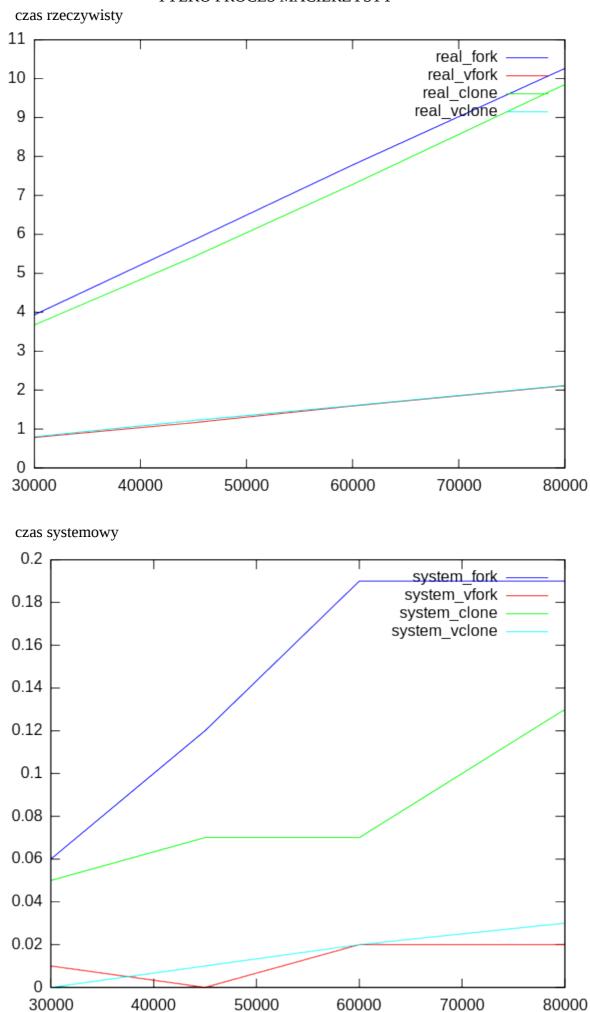
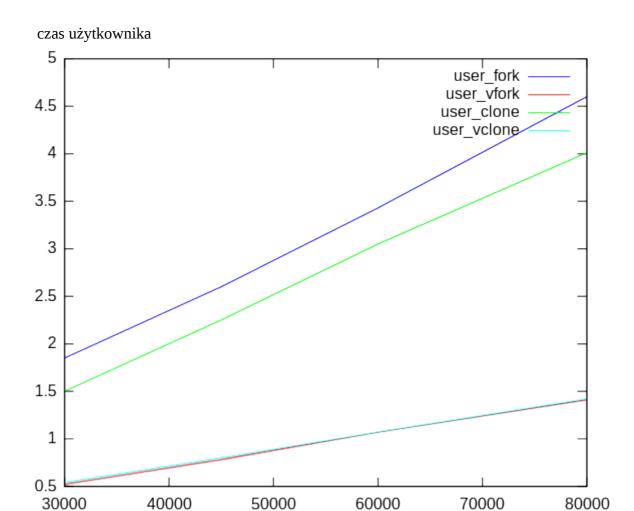
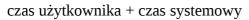
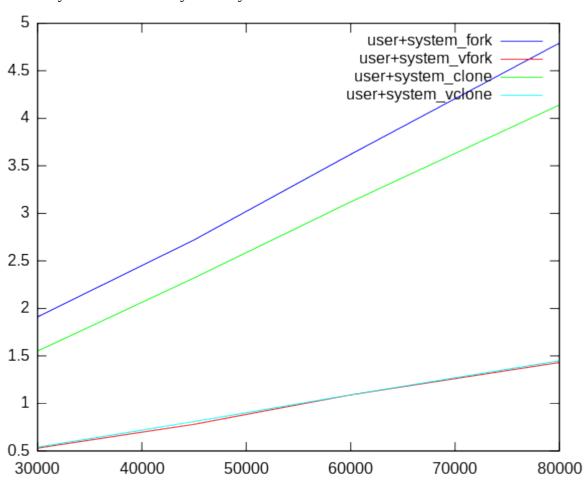
TYLKO PROCES MACIERZYSTY

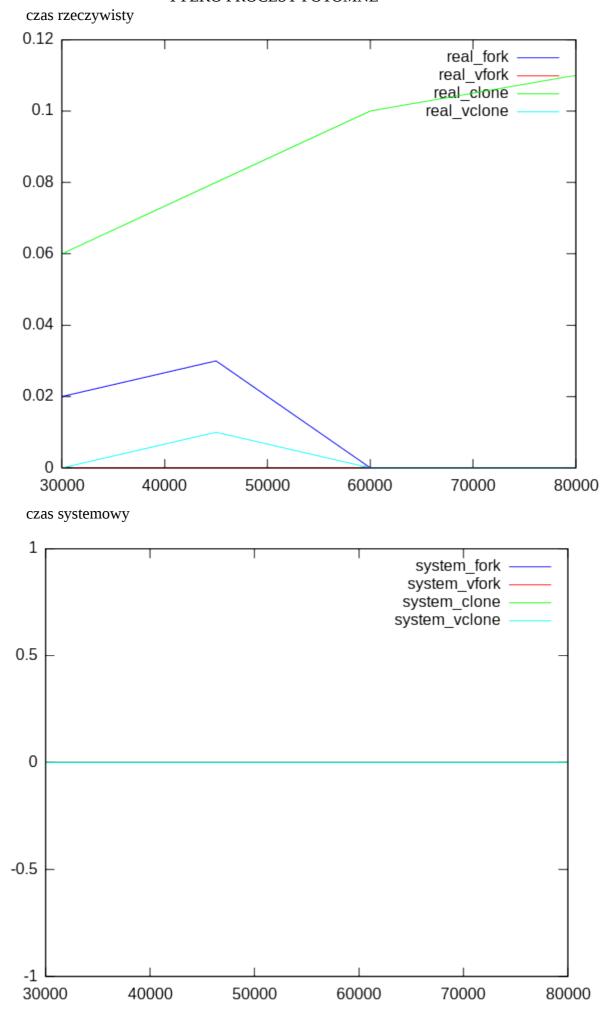


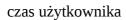


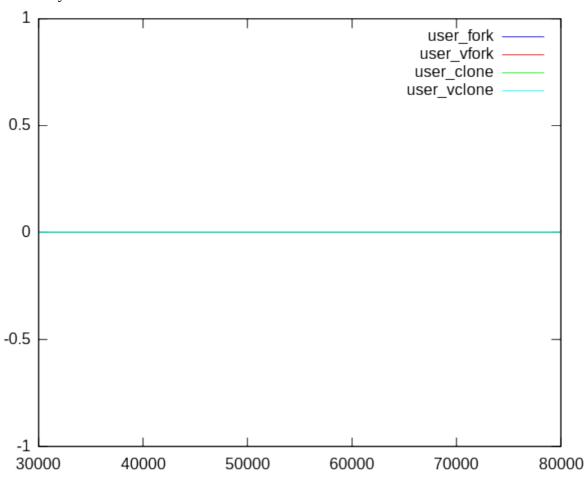




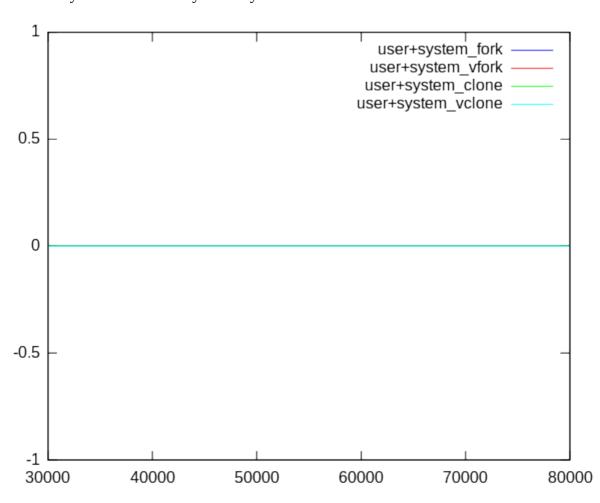
TYLKO PROCESY POTOMNE



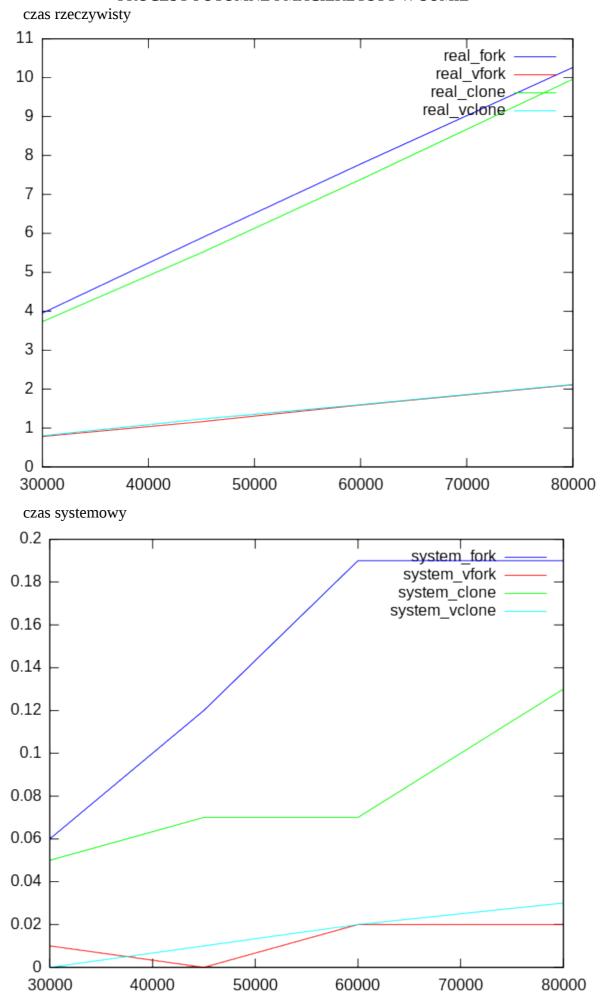


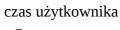


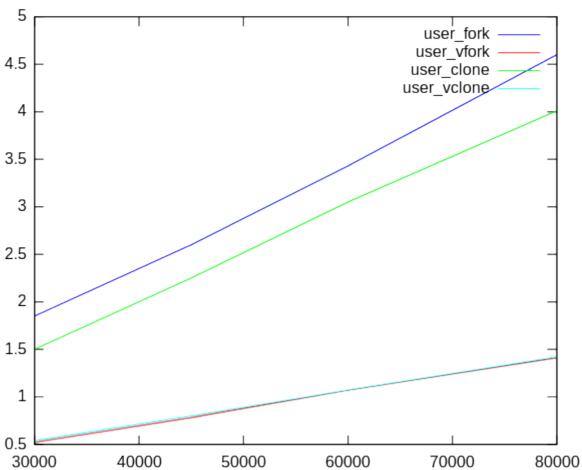
czas użytkownika + czas systemowy



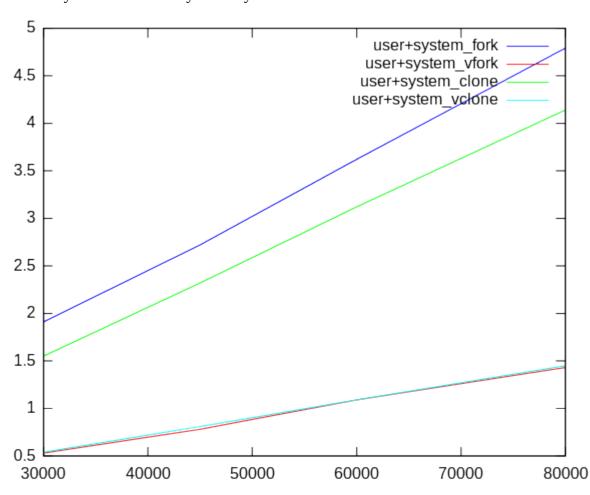
PROCESY POTOMNE I MACIERZYSTY W SUMIE







czas użytkownika + czas systemowy



WNIOSKI

- "lekkie" forkowanie jest wyraźnie szybsze od zwykłego i pozwala dzielić pamięć (pozwala dzielić wspólny licznik);
- powielenie zachowania dzielenia pamięci w clone() daje podobny efekt;
- clone() jest trochę szybsze od odpowiadającego mu fork/vfork

(na nast. stronie wyniki pomiarów)

FORK:

Child	Count 30000 Real	ГimeSun	n 3.95 UserTimeS	Sum 0.06	SystemTimeSum	1.85	
	Sys+UsTimeSum	1.91	RealTimeChild	0.02		0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	3.93	
		0.06	SystemTimePar.	1.85	Sys+UsTimePar	1.91	
Child	Count 45000 Real	ГimeSun		Sum 0.12	SystemTimeSum	2.60	
	Sys+UsTimeSum	2.72	RealTimeChild	0.03		0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	5.85	
	UserTimeParent	0.12	SystemTimePar.	2.60	Sys+UsTimePar	2.72	
Child	Count 60000 Real		5		SystemTimeSum	3.43	
	Sys+UsTimeSum	3.62	RealTimeChild	0.00	UserTimeChild	0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	7.78	
	UserTimeParent	0.19	SystemTimePar.	3.43	Sys+UsTimePar	3.62	
Child			n 10.26 UserTimeS		SystemTimeSum	4.60	
	Sys+UsTimeSum	4.79	RealTimeChild	0.00	UserTimeChild	0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	10.2	
6	UserTimeParent	0.19	SystemTimePar.	4.60	Sys+UsTimePar	4.79	
Ü	o del Timer di ent	0.15	o y oterii i i i i i i i i i i i i i i i i i i		Sys Collineral	, 5	
VFO]	RK:						
Child	Count 30000 Real	ГimeSun	n 0.78 UserTimeS	Sum 0.01	SystemTimeSum	0.52	
	Sys+UsTimeSum	0.53	RealTimeChild	0.00		0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	0.78	
	UserTimeParent	0.01	SystemTimePar.	0.52	Sys+UsTimePar	0.53	
Child	Count 45000 Real		0		SystemTimeSum	0.78	
	Sys+UsTimeSum	0.78	RealTimeChild	0.00	UserTimeChild	0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	1.16	
	UserTimeParent	0.00	SystemTimePar.	0.78	Sys+UsTimePar	0.78	
ChildCount 60000 RealTimeSum 1.59 UserTimeSum 0.02 SystemTimeSum							
	Sys+UsTimeSum	1.09	RealTimeChild	0.00	UserTimeChild	1.07 0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	1.59	
	UserTimeParent		SystemTimePar.	1.07	Sys+UsTimePar	1.09	
Child	Count 80000 Real		_		SystemTimeSum	1.41	
011110	Sys+UsTimeSum	1.43	RealTimeChild	0.00	UserTimeChild	0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	2.11	
	UserTimeParent	0.02	SystemTimePar.	1.41	Sys+UsTimePar	1.43	
	o del rimer di ent	0.02	o y oterii i i i i i i i i i i i i i i i i i i	11	Sys Collineral	1, 15	
CLO	NE:						
Child	Count 30000 Real	ГimeSun	n 3.73 UserTimeS	Sum 0.05	SystemTimeSum	1.50	
	Sys+UsTimeSum	1.55	RealTimeChild	0.06		0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	3.67	
	UserTimeParent	0.05	SystemTimePar.	1.50	Sys+UsTimePar	1.55	
Child	Count 45000 Real				SystemTimeSum	2.25	
	Sys+UsTimeSum	2.32	RealTimeChild	0.08	UserTimeChild	0.00	
	SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	5.42	
	UserTimeParent	0.07	SystemTimePar.	2.25	Sys+UsTimePar	2.32	
Child	Count 60000 Real		0		SystemTimeSum	3.05	
J	Sys+UsTimeSum	3.12	RealTimeChild	0.10	UserTimeChild	0.00	
	5,5 5511111000111	J.1_		0,10	Joer Linic Cillia	3.30	

SystemTimeChild UserTimeParent ChildCount 80000 RealT Sys+UsTimeSum SystemTimeChild UserTimeParent	0.00 0.07 TimeSur 4.14 0.00 0.13	Sys+UsTimeCh SystemTimePar. n 9.96 UserTimeSur RealTimeChild Sys+UsTimeCh SystemTimePar.	0.00 3.05 m 0.13 0.11 0.00 4.01	RealTimeParent Sys+UsTimePar SystemTimeSum UserTimeChild RealTimeParent Sys+UsTimePar	7.28 3.12 4.01 0.00 9.85 4.14						
CLONE (vfork)											
ChildCount 30000 RealT	imoSur	n 0.80 UserTimeSu	m () () ()	SystemTimeSum	0.54						
Sys+UsTimeSum	0.54	RealTimeChild	0.00	UserTimeChild	0.00						
SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	0.80						
UserTimeParent	0.00	SystemTimePar.	0.54	Sys+UsTimePar	0.54						
ChildCount 45000 RealTimeSum 1.23 UserTimeSum 0.01 SystemTimeSum											
Sys+UsTimeSum	0.81	RealTimeChild	0.01	UserTimeChild	0.80						
SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	1.22						
UserTimeParent	0.01	SystemTimePar.	0.80	Sys+UsTimePar	0.81						
ChildCount 60000 RealTimeSum 1.60 UserTimeSum 0.02 SystemTimeSum											
Sys+UsTimeSum	1.09	RealTimeChild	0.00	UserTimeChild	1.07 0.00						
SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	1.60						
UserTimeParent	0.02	SystemTimePar.	1.07	Sys+UsTimePar	1.09						
ChildCount 80000 RealT				SystemTimeSum	1.42						
Sys+UsTimeSum	1.45	RealTimeChild	0.00	UserTimeChild	0.00						
SystemTimeChild	0.00	Sys+UsTimeCh	0.00	RealTimeParent	2.12						
UserTimeParent	0.03	SystemTimePar.	1.42	Sys+UsTimePar	1.45						
O SCI I IIII CI UI CIII	0.05	System initial.	1,74	5,5. OSTIMET di	15						