```
****************************************************************
*              Exercise number      :    1.B                  *
*              File Name             :    Answers.docx         *
*              Name (First Last)     :    Yonatan Karp         *
*              Student ID            :    300070760            *
*              Email                 :    ykarp@post.idc.ac.il *
 ****************************************************************
```
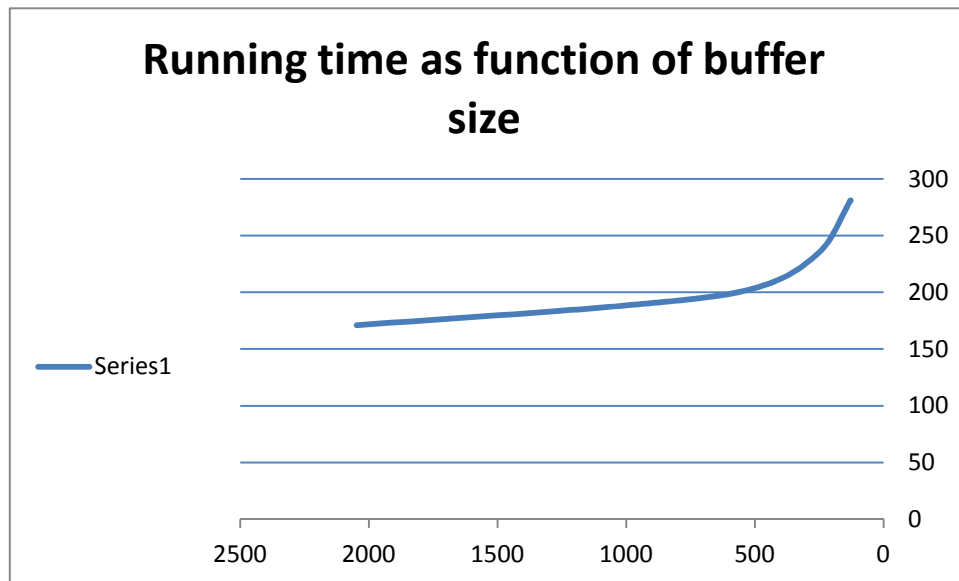
:2

.1

Running time as function of buffer size

—— Series1	300
	250
	200
	150
	100
	50
	0

2500   2000   1500   1000   500   0

.2   System   Buffer   call

Hardisk   RAM-   RAM   Hardisk

Buffer   .(

.3   ,   ,   buffer

switch   .((System call   )   context

:3

.1   ,   )   (BUS   "

.System call

.2   ,   Interrupt   .

.3   ,   Interrupt   .Hardware

.4   ,   User mode -

.System calls

.5   ,

Kernel mode (Shell)   '   (User mode),

.

.6   ,   Interrupts

.Kernel mode

‏7. ‏,
‏-Ghost OS, Hypervisor ‏-Host OS ‏,System call
‏CPU.
‏8. ‏, ‏User mode
‏System call, ‏Kernel mode
‏.
‏9. ‏, ‏System call ‏context switch "
‏, ‏— ‏.
‏10. ‏, ‏Interrupts
‏CPU / ‏.