Re: Probability with bus..

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- *From*: "mina_world" <mina_world@xxxxxxxxxxx>
- *Date*: Mon, 31 Mar 2008 23:06:16 +0900

"mina_world" <mina_world@xxxxxxxxxxx> wrote in message
news:fsqi4g$r2e$1@xxxxxxxxxxxxxxxxxxx

> Hello teacher~
>
> A passenger arrives at a bus−stop at some arbitrary point in time.
> Buses arrive according to a uniform distribution on [0,1]. (Namely, per 1
> min.)
>
> What is the mean waiting time until the next bus ?
>
> _____

I think...
Let Y be waiting time.
I must find E(Y).

If waiting time is y, P(y) = 1.y

so, E(Y) = int{0 to 1} y.(1.y) dy = 1/3.

How do you think about it ?

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