	appropriate Poisson approximations to find the following probabilities.	
(i)	The samples contain at least 2 carp from pond $A$ and at least 2 carp from pond $B$ .	[.
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(ii)	The samples contain at least 4 carp altogether.	]
(ii)		[
( <b>ii</b> )	The samples contain at least 4 carp altogether.	
(ii)	The samples contain at least 4 carp altogether.	
(ii)	The samples contain at least 4 carp altogether.	
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(ii)	The samples contain at least 4 carp altogether.	
(ii)	The samples contain at least 4 carp altogether.	
(ii)	The samples contain at least 4 carp altogether.	

(a) Two ponds, A and B, each contain a large number of fish. It is known that 2.4% of fish in pond A

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Find the val	ue of $k$ .						[4
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(b) The random variables X and Y have the distributions  $Po(\lambda)$  and  $Po(\mu)$  respectively. It is given