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\_ { 1 } , X \_ { 2 } , X \_ { 3 } , X \_ { 4 }$$相互独立,且同分布于$$P \\\\left\\\\{ X \_ { i } = 0 \\\\right\\\\} = 0 . 6 , P \\\\left\\\\{ X \_ { i } = 1 \\\\right\\\\} = 0 . 4 \\\\left( i = 1 , 2 , 3 , 4 \\\\right) ,$$","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":657},{"x":1353,"y":657},{"x":1353,"y":1182},{"x":0,"y":1182}]],"pos\_list":[[{"x":164,"y":657},{"x":1073,"y":657},{"x":1073,"y":841},{"x":164,"y":841}]],"element\_list":[{"type":0,"text":"假设随机变量$$X \_ { 1 } , X \_ { 2 } , X \_ { 3 } , X \_ { 4 }$$相互独立,且同分布于$$P \\\\left\\\\{ X \_ { i } = 0 \\\\right\\\\} = 0 . 6 , P \\\\left\\\\{ X \_ { i } = 1 \\\\right\\\\} = 0 . 4 \\\\left( i = 1 , 2 , 3 , 4 \\\\right) ,$$","pos\_list":[[{"x":191,"y":669},{"x":1070,"y":669},{"x":1070,"y":838},{"x":191,"y":838}]],"content\_list":[{"type":1,"prob":99,"string":"假设随机变量","option":"","pos":[{"x":191,"y":673},{"x":372,"y":673},{"x":372,"y":697},{"x":191,"y":697}]},{"type":2,"prob":99,"string":"$$X \_ { 1 } , X \_ { 2 } , X \_ { 3 } , 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,$$","option":"","pos":[{"x":404,"y":714},{"x":1070,"y":710},{"x":1070,"y":744},{"x":404,"y":747}]},{"type":1,"prob":100,"string":"","option":"","pos":[{"x":192,"y":756},{"x":669,"y":756},{"x":669,"y":838},{"x":192,"y":838}]}]}]}]},{"part\_title":"十二、(本题满分8分)","pos\_list":[[{"x":121,"y":1160},{"x":1288,"y":1159},{"x":1288,"y":1492},{"x":121,"y":1493}]],"subject\_list":[{"index":0,"type":15,"num\_choices":0,"prob":0,"text":"假设由自动线加工的某种零件的内径X(毫米)服从正态分布N(\\\\mu,1),,内径小于10或大于12的为不合格品,其余为合格品.销售每件合格品获利,销售每件不合格品亏损,已知销售利润T(单位:元)与销售零件的内径X有如下关系:问:平均内径\\\\mu取何值时,销售一个零件的平均利润最大?","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":1182},{"x":1353,"y":1182},{"x":1353,"y":2006},{"x":0,"y":2006}]],"pos\_list":[[{"x":139,"y":1182},{"x":1291,"y":1182},{"x":1291,"y":1502},{"x":139,"y":1502}]],"element\_list":[{"type":0,"text":"假设由自动线加工的某种零件的内径X(毫米)服从正态分布N(\\\\mu,1),,内径小于10或大于12的为不合格品,其余为合格品.销售每件合格品获利,销售每件不合格品亏损,已知销售利润T(单位:元)与销售零件的内径X有如下关系:","pos\_list":[[{"x":190,"y":1200},{"x":1288,"y":1199},{"x":1288,"y":1314},{"x":190,"y":1315}]],"content\_list":[{"type":1,"prob":99,"string":"假设由自动线加工的某种零件的内径X(毫米)服从正态分布","option":"","pos":[{"x":191,"y":1203},{"x":975,"y":1203},{"x":975,"y":1228},{"x":191,"y":1228}]},{"type":1,"prob":99,"string":"N(\\\\mu,1),","option":"","pos":[{"x":974,"y":1200},{"x":1091,"y":1199},{"x":1091,"y":1232},{"x":975,"y":1233}]},{"type":1,"prob":99,"string":",内径小于10或","option":"","pos":[{"x":1091,"y":1203},{"x":1288,"y":1203},{"x":1288,"y":1228},{"x":1091,"y":1228}]},{"type":1,"prob":98,"string":"大于12的为不合格品,其余为合格品.销售每件合格品获利,销售每件不合格品亏损,已","option":"","pos":[{"x":191,"y":1248},{"x":1286,"y":1245},{"x":1286,"y":1269},{"x":191,"y":1272}]},{"type":1,"prob":99,"string":"知销售利润T(单位:元)与销售零件的内径X有如下关系:","option":"","pos":[{"x":190,"y":1291},{"x":941,"y":1291},{"x":941,"y":1314},{"x":190,"y":1315}]}]},{"type":0,"text":"问:平均内径\\\\mu取何值时,销售一个零件的平均利润最大?","pos\_list":[[{"x":191,"y":1465},{"x":914,"y":1464},{"x":914,"y":1492},{"x":191,"y":1493}]],"content\_list":[{"type":1,"prob":99,"string":"问:平均内径","option":"","pos":[{"x":191,"y":1465},{"x":357,"y":1465},{"x":357,"y":1490},{"x":191,"y":1490}]},{"type":1,"prob":99,"string":"\\\\mu","option":"","pos":[{"x":357,"y":1472},{"x":376,"y":1472},{"x":376,"y":1493},{"x":357,"y":1493}]},{"type":1,"prob":96,"string":"取何值时,销售一个零件的平均利润最大?","option":"","pos":[{"x":376,"y":1465},{"x":914,"y":1464},{"x":914,"y":1489},{"x":376,"y":1490}]}]}]}]}],"prism\_version":"1.0.9","prism\_wnum":0,"width":1353}', 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