

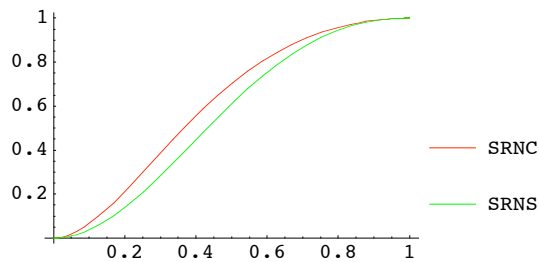
Exercícios

Cap. 1 — Notas apoio 0607

```
<< Graphics`Legend`
```

■ Exercício 1.58

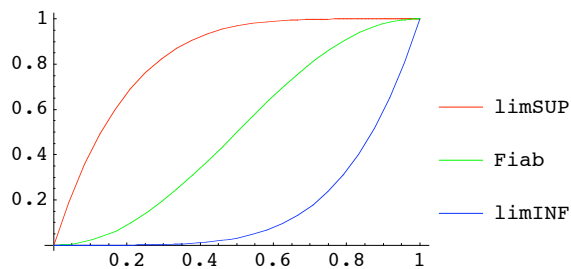
```
Plot[{p^2 (2 - p)^2 (2 - 2 p + p^2), p^2 (2 - p) (2 - 2 p^2 + p^3)},
 {p, 0, 1}, PlotLegend -> {"SRNC", "SRNS"},
 PlotStyle -> {RGBColor[1, 0, 0], RGBColor[0, 1, 0]},
 LegendPosition -> {1, -.5}, LegendShadow -> None]
```



- Graphics -

■ Exercício 1.67

```
Plot[{1 - (1 - p)^5, 2 p^2 + 2 p^3 - 5 p^4 + 2 p^5, p^5},
 {p, 0, 1}, PlotLegend -> {"limSUP", "Fiab", "limINF"},
 PlotStyle -> {RGBColor[1, 0, 0], RGBColor[0, 1, 0], RGBColor[0, 0, 1]},
 LegendPosition -> {1, -.5}, LegendShadow -> None]
MatrixForm[Table[{p, p^5, 2 p^2 + 2 p^3 - 5 p^4 + 2 p^5, 1 - (1 - p)^5}, {p, 0.9, .99, 0.01}]]
```

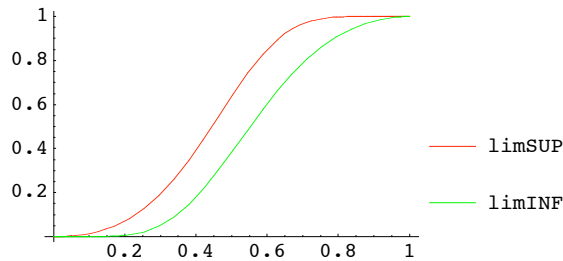


- Graphics -

```
(
  0.9  0.59049  0.97848  0.99999
  0.91 0.624032 0.982658 0.999994
  0.92 0.659082 0.986374 0.999997
  0.93 0.695688 0.989631 0.999998
  0.94 0.733904 0.992431 0.999999
  0.95 0.773781 0.994781 1.
  0.96 0.815373 0.996685 1.
  0.97 0.858734 0.99815 1.
  0.98 0.903921 0.999185 1.
  0.99 0.95099  0.999798 1.
)
```

■ Exercício 1.69

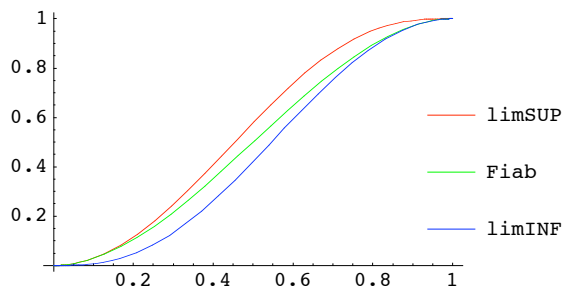
```
Plot[{1 - (1 - p2) × (1 - p3)3 × (1 - p4)4 × (1 - p5)2, (1 - (1 - p)2)2 × (1 - (1 - p)4)6},
{p, 0, 1}, PlotLegend → {"limSUP", "limINF"},
PlotStyle → {RGBColor[1, 0, 0], RGBColor[0, 1, 0]},
LegendPosition → {1, -.5}, LegendShadow → None]
```



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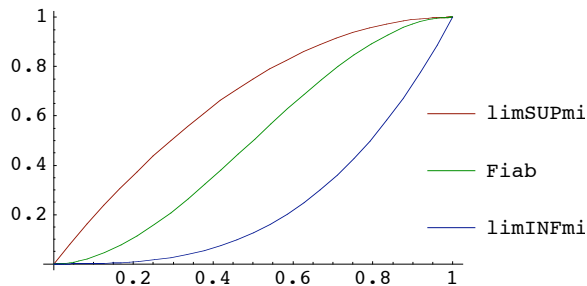
■ Exercício 1.72

```
Plot[{1 - (1 - p2)3, p2 (3 - 2 p), (1 - (1 - p)2)3},
{p, 0, 1}, PlotLegend → {"limSUP", "Fiab", "limINF"},
PlotStyle → {RGBColor[1, 0, 0], RGBColor[0, 1, 0], RGBColor[0, 0, 1]},
LegendPosition → {.8, -.5}, LegendShadow → None]
```



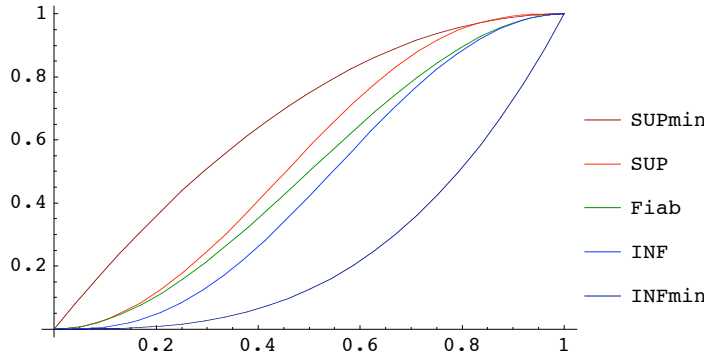
- Graphics -

```
Plot[{1 - (1 - p)2, p2 (3 - 2 p), p3}, {p, 0, 1},
PlotLegend → {"limSUPminmax", "Fiab", "limINFminmax"},
PlotStyle → {RGBColor[.5, 0, 0], RGBColor[0, .5, 0], RGBColor[0, 0, .5]},
LegendPosition → {.8, -.5}, LegendShadow → None]
```



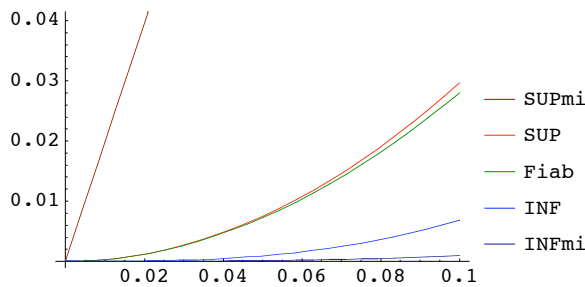
- Graphics -

```
Plot[{1 - (1 - p)2, 1 - (1 - p2)3, p2 (3 - 2 p), (1 - (1 - p)2)3, p3},
{p, 0, 1}, PlotLegend -> {"SUPminmax", "SUP", "Fiab", "INF", "INFminmax"},
PlotStyle -> {RGBColor[.5, 0, 0], RGBColor[1, 0, 0],
RGBColor[0, .5, 0], RGBColor[0, 0, 1], RGBColor[0, 0, .5]},
LegendPosition -> {1, -.5}, LegendShadow -> None]
```



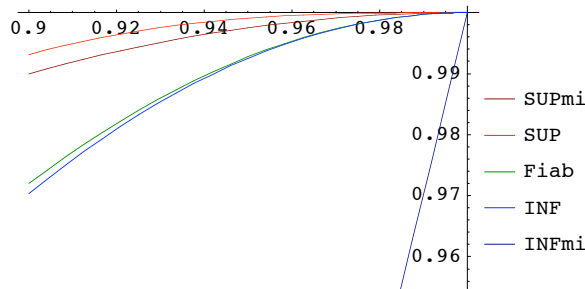
- Graphics -

```
Plot[{1 - (1 - p)2, 1 - (1 - p2)3, p2 (3 - 2 p), (1 - (1 - p)2)3, p3}, {p, 0, .1},
PlotLegend -> {"SUPminmax", "SUP", "Fiab", "INF", "INFminmax"},
PlotStyle -> {RGBColor[.5, 0, 0], RGBColor[1, 0, 0],
RGBColor[0, .5, 0], RGBColor[0, 0, 1], RGBColor[0, 0, .5]},
LegendPosition -> {1, -.5}, LegendShadow -> None]
```



- Graphics -

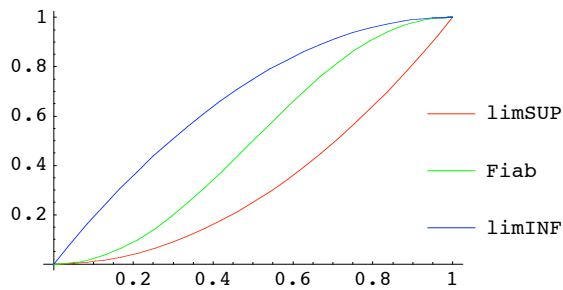
```
Plot[{1 - (1 - p)2, 1 - (1 - p2)3, p2 (3 - 2 p), (1 - (1 - p)2)3, p3}, {p, 0.9, 1},
PlotLegend -> {"SUPminmax", "SUP", "Fiab", "INF", "INFminmax"},
PlotStyle -> {RGBColor[.5, 0, 0], RGBColor[1, 0, 0],
RGBColor[0, .5, 0], RGBColor[0, 0, 1], RGBColor[0, 0, .5]},
LegendPosition -> {1, -.5}, LegendShadow -> None]
```



- Graphics -

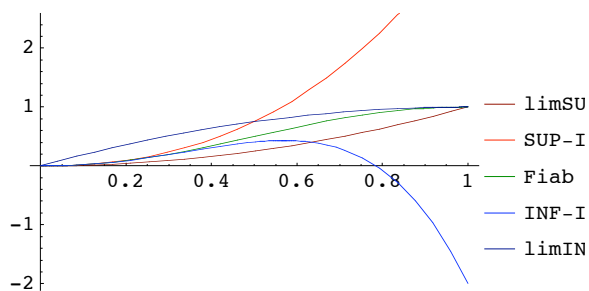
■ Exercício 1.74

```
Plot[{p2, 2 p2 + 2 p3 - 5 p4 + 2 p5, 1 - (1 - p)2},
 {p, 0, 1}, PlotLegend → {"limSUP", "Fiab", "limINF"},
 PlotStyle → {RGBColor[1, 0, 0], RGBColor[0, 1, 0], RGBColor[0, 0, 1]},
 LegendPosition → {.8, -.5}, LegendShadow → None]
```



- Graphics -

```
Plot[{p2, 2 p2 + 2 p3, 2 p2 + 2 p3 - 5 p4 + 2 p5, 2 p2 + 2 p3 - 5 p4 - p5, 1 - (1 - p)2},
 {p, 0, 1}, PlotLegend → {"limSUP", "SUP-IE", "Fiab", "INF-IE", "limINF"},
 PlotStyle → {RGBColor[.5, 0, 0], RGBColor[1, 0, 0],
 RGBColor[0, .5, 0], RGBColor[0, 0, 1], RGBColor[0, 0, .5]},
 LegendPosition → {1, -.5}, LegendShadow → None]
```



- Graphics -