Codificação de Programas em Linguagem Pike

```
// ALG01
int main() {
  write("Bom dia\n");
  return 0;
}
```

```
// ALG02
int main()
{
  int X;
  sscanf(Stdio.stdin.gets(), "%d", X);
  write("%d\n", X);
  return 0;
}
```

```
// ALG03
int main()
{
  int X = 0;
  int Y = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  Y = pow(X, 2);
  write("%d\n", Y);
  return 0;
}
```

```
// ALG04
int main()
{
  int X = 0;
  int Y = 0;
  int Z = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  sscanf(Stdio.stdin.gets(), "%d", Y);
  Z = X + Y;
  write("%d\n", Z);
  return 0;
}
```

```
// ALG05
int main()
{
  int X = 0;
  int Y = 0;
  int Z = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  sscanf(Stdio.stdin.gets(), "%d", Y);
  Z = pow(X, 2) + pow(Y, 2);
  write("%d\n", Z);
  return 0;
}
```

```
// ALG06
int main()
{
  int X = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  if (X > 100) {
    write("%d\n", X);
  }
  return 0;
}
```

```
// ALG07
int main()
{
  int X = 0;
  int Y = 0;
  int Z = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  sscanf(Stdio.stdin.gets(), "%d", Y);
  if (X > 100)
  {
    Z = X + Y;
    write("%d\n", Z);
  }
  return 0;
}
```

```
// ALG08
int main()
{
  int X = 0;
  int Y = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  sscanf(Stdio.stdin.gets(), "%d", Y);
  if (X <= Y) {
    write("%d\n", X);
  } else {
    write("%d\n", Y);
  }
  return 0;
}
```

```
// ALG09
int main()
{
  int X = 0;
  int Y = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  if (X >= 10) {
    Y = pow(X, 2);
  } else {
    Y = pow(X, 3);
  }
  write("%d\n", Y);
  return 0;
}
```

```
// ALG10
int main()
{
  int X = 0;
  int Y = 0;
  int N1 = 0;
  int N2 = 0;
  sscanf(Stdio.stdin.gets(), "%d", X);
  sscanf(Stdio.stdin.gets(), "%d", Y);
  if (X > Y) {
    N1 = Y;
    N2 = X;
  } else {
    N1 = X;
    N2 = Y;
  }
  write("%d\n", N1);
  write("%d\n", N2);
  return 0;
}
```

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```
// ALG11
int main()
{
  int X = 0;
  int I = 1;
  while (I <= 10) {
    write("%d\n", X);
    X = X + 2;
    I = I + 1;
  }
  return 0;
}
```

```
// ALG12
int main()
{
  int X = 1;
  int I = 1;
  while (I <= 10) {
    write("%d\n", X);
    X = X * 2;
    I = I + 1;
  }
  return 0;
}
```