Example 1:

| T= | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 5 |

| P= | 1 | 2 | 3 | 4 | 5 |

Brute-force Matching:

T=	1	2	3	4	1	2	3	4	1	2	3	4	5

Example 2:

| T= | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 5 |

| P= | 1 | 2 | 3 | 4 | 5 |

$\pi[P]=$ | | | | | |

KMP Matching:

T=	1	2	3	4	1	2	3	4	1	2	3	4	5

Example 3:

T=	A	A	A	A	A	A	A	A	A	A	B

P=	A	A	A	A	A	B

Brute-force Matching:

T=	A	A	A	A	A	A	A	A	A	A	B

Example 4:

T=	A	A	A	A	A	A	A	A	A	A	B

P=	A	A	A	A	A	B

$\pi[P]=$

KMP Matching:

T=	A	A	A	A	A	A	A	A	A	A	B

Example 5:

T=	0	1	0	0	1	0	0	0	1	0	0	0	0

P=	0	0	0	0

Brute-force Matching:

T=	0	1	0	0	1	0	0	0	1	0	0	0	0

Example 6:

T= | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

P= | 0 | 0 | 0 | 0 |

π[P]= | | | | |

KMP Matching:

T=	0	1	0	0	1	0	0	0	1	0	0	0	0