10.	$\frac{1}{(s+a)^2}$	16-01	kTe-akT	$\frac{Te^{-aT}z^{-1}}{(1-e^{-aT}z^{-1})^2}$
=	$\frac{s}{(s+a)^2}$	$(1-at)e^{-at}$	$(1-akT)e^{-akT}$	$\frac{1 - (1 + aT)e^{-aT}z^{-1}}{(1 - e^{-aT}z^{-1})^2}$
12.	$\frac{2}{(s+a)^3}$	126-01	(kT)²e-akT	$\frac{T^2 e^{-a\tau} (1 + e^{-a\tau} z^{-1}) z^{-1}}{(1 - e^{-a\tau} z^{-1})^3}$
13.	$\frac{a^2}{s^2(s+a)}$	$at-1+e^{-at}$	$akT - 1 + e^{-akT}$	$\frac{[(aT - 1 + e^{-aT}) + (1 - e^{-aT} - aTe^{-aT})z^{-1}]z^{-1}}{(1 - z^{-1})^2(1 - e^{-aT}z^{-1})}$
14.	$\frac{\omega}{s^2+\omega^2}$	sin ωt	sin ωkT	$\frac{z^{-1}\sin\omega T}{1-2z^{-1}\cos\omega T+z^{-2}}$
15.	$\frac{s}{s^2+\omega^2}$	cos wt	cos ωkΤ	$\frac{1 - z^{-1} \cos \omega T}{1 - 2z^{-1} \cos \omega T + z^{-2}}$
16.	$\frac{\omega}{(s+a)^2+\omega^2}$	e -at sin wt	e - akT sin wkT	$\frac{e^{-a7}z^{-1}\sin\omega T}{1-2e^{-a7}z^{-1}\cos\omega T+e^{-2a7}z^{-2}}$
17.	$\frac{s+a}{(s+a)^2+\omega^2}$	e-at cos wt	e-akT cos wkT	$\frac{1 - e^{-aT}z^{-1}\cos\omega T}{1 - 2e^{-aT}z^{-1}\cos\omega T + e^{-2aT}z^{-2}}$
18.			ak	$\frac{1}{1-az^{-1}}$
19.			$a^{k-1}$ $k=1,2,3,\ldots$	$\frac{z^{-1}}{1-az^{-1}}$
20.			ka*-1	$\frac{z^{-1}}{(1-az^{-1})^2}$
21.			k <sup>2</sup> a <sup>k-1</sup>	$\frac{z^{-1}(1+az^{-1})}{(1-az^{-1})^3}$
22.			k 3a k - 1	$\frac{z^{-1}(1+4az^{-1}+a^{2}z^{-2})}{(1-az^{-1})^{4}}$
23.			k4ak-1	$\frac{z^{-1}(1+11az^{-1}+11a^{3}z^{-2}+a^{3}z^{-3})}{(1-az^{-1})^{5}}$
24.			a <sup>k</sup> cos kπ	$\frac{1}{1+az^{-1}}$
x(t) = 0 $x(kT) = 0$ Unless of	x(t) = 0   for t < 0. $x(kT) = x(k) = 0.$ Unless otherwise noted,	x(t) = 0 for $t < 0$ . x(kT) = x(k) = 0 for $k < 0$ . Unless otherwise noted, $k = 0, 1, 2, 3, \dots$		-

 $\frac{{}^{1-2}({}^{7d-9}-{}^{7d-9})}{({}^{1-2}({}^{7d-9}-1)({}^{1-2}({}^{7d-9}-1))}$	6-akt — 6-bkt	19-3 — 1D-3	$\frac{p-q}{(q+s)(p+s)}$	-6
 $\frac{1 - \chi(\tau_{D-9} - 1)}{(1 - \chi^{\tau_{D-9}} - 1)(1 - \chi^{\tau_{D-9}})}$	] — 6 – akī	12−9 — [	$\frac{D}{(D+2)S}$	-8
 $\frac{1-2(2\nu-1)}{(z-2+1)^{1-2}\varepsilon L}$	(kT) <sup>3</sup>	12	<del>,</del> s	٦.
 $\frac{r(z-z+1-z-1)}{(z-z+1)z-zzL}$	(KT) <sup>2</sup>	z 1	$\frac{c_s}{2}$	.9
$\frac{z(z-1)}{z-zL}$	LA	1	zs I	.č
 $\frac{1}{1-Z^{TD}-9}-1$	6 - akī	9 - 41	$\frac{D+S}{1}$	.4
 $\frac{1-z-1}{1}$	1(k)	1(1)	<u>s</u> I	3.
 η – <sup>Z</sup>	$ \begin{array}{ccc} 0 & u \neq k \\ 1 & u = k \end{array} $	_	_	2.
I	Kronecker delta $\delta_0(k)$ l $k = 0l k \neq 0$	_	_	1.
(z) X	x(kT) or x(k)	(1) x	7-1 TABLE UP	